

[illegible]

Db	1261	AAAAAAGAAATAGCTTGAAGAAAGCAATGAAGAAACAAAGTGTCTGTGTGTAATATG	1320
Qy	1321	AAAAAAGCAATCTGTGTTTCTGAGGTAAAGGGCTGCCACTGTGCCCCCTCCAGGCTGTGGTGG	1380
Db	1321	AAAAAAGCAATCTGTGTTTCTGAGGTAAAGGGCTGCCACTGTGCCCCCTCCAGGCTGTGGTGG	1380
Qy	1381	AGGAGGAAACAGTCTCATTTCAAACCTTGGAGATTTTGGAGGAAGCTCCAGAGAGAGAGAGGC	1440
Db	1381	AGGAGGAAACAGTCTCATTTCAAACCTTGGAGATTTTGGAGGAAGCTCCAGAGAGAGAGAGGC	1440
Qy	1441	TTCCCAAGCTGGACTTGAAGAGAGAAACAGACATAGATGACACCGTAAATGTGTCACTGTC	1500
Db	1441	TTCCCAAGCTGGACTTGAAGAGAGAAACAGACATAGATGACACCGTAAATGTGTCACTGTC	1500
Qy	1501	AGTTGCTTAATGGGAACCTTGTCCAGTTCACTCAAGCCGTTCAGCAACCAATTAACCTTCCA	1560
Db	1501	AGTTGCTTAATGGGAACCTTGTCCAGTTCACTCAAGCCGTTCAGCAACCAATTAACCTTCCA	1560
Qy	1561	GTGGGCACATCAAGATATCACACCGGATATAGGAATTCGCGCTGTACAAAGAGCTATCC	1620
Db	1561	GTGGGCACATCAAGATATCACACCGGATATAGGAATTCGCGCTGTACAAAGAGCTATCC	1620
Qy	1621	ATTAATTAATCATCTTGCCAAAGTGGGAGATTCGATGGGAGATCCGGGTGACAAACCTTTAA	1680
Db	1621	ATTAATTAATCATCTTGCCAAAGTGGGAGATTCGATGGGAGATCCGGGTGACAAACCTTTAA	1680
Qy	1681	GGGCGAATATATAGCTATATCTTCTATACCATGCGCAATATGTGGCATGCTCTGCAATTCAT	1740
Db	1681	GGGCGAATATATAGCTATATCTTCTATACCATGCGCAATATGTGGCATGCTCTGCAATTCAT	1740
Qy	1741	TCCGTGCCAAABAAGGTGAACAAGAGGGCGAAGAAATGGAABAACCTGACATGGCCTTAATG	1800
Db	1741	TCCGTGCCAAABAAGGTGAACAAGAGGGCGAAGAAATGGAABAACCTGACATGGCCTTAATG	1800
Qy	1801	CAGACTCCAAAGAGCGAATTCGAATGGAACAGTTACCACTTAATCTGCAATGTCTGTCTG	1860
Db	1801	CAGACTCCAAAGAGCGAATTCGAATGGAACAGTTACCACTTAATCTGCAATGTCTGTCTG	1860
Qy	1861	ACCTTCACTCAGCATCTGAGATGACATGATGTTCAGAGGCAAGATGGGTTCTAGGTACA	1920
Db	1861	ACCTTCACTCAGCATCTGAGATGACATGATGTTCAGAGGCAAGATGGGTTCTAGGTACA	1920
Qy	1921	GAAAAAGAAAGTAAATGGCTCTCTAGAAAGAAATGTAATGACAGAGATTAAGCTGAAATCTCTC	1980
Db	1921	GAAAAAGAAAGTAAATGGCTCTCTAGAAAGAAATGTAATGACAGAGATTAAGCTGAAATCTCTC	1980
Qy	1981	TCCTCTTCCAGTTCCTCGAGATCTCTTAACAGCTCTGTTGGGTCAATCCGCCATGTGTGCA	2040
Db	1981	TCCTCTTCCAGTTCCTCGAGATCTCTTAACAGCTCTGTTGGGTCAATCCGCCATGTGTGCA	2040
Qy	2041	ATGAGCTAAGCAATGCAATGGGACCTCTGTGTTGCTTAAATTTGGTTTATGACACAGAG	2100
Db	2041	ATGAGCTAAGCAATGCAATGGGACCTCTGTGTTGCTTAAATTTGGTTTATGACACAGAG	2100
Qy	2101	ATGTGTTCTTCAAAAATGTCGAACAACCAATATGGCTTCTACTTAATGTGGTGTGGTAACT	2160
Db	2101	ATGTGTTCTTCAAAAATGTCGAACAACCAATATGGCTTCTACTTAATGTGGTGTGGTAACT	2160
Qy	2161	GTGTGTGTCTGTGGGTTTGGGGAAGAAAGTTATCAACACCATGGGGAAGGATCTGACAC	2220
Db	2161	GTGTGTGTCTGTGGGTTTGGGGAAGAAAGTTATCAACACCATGGGGAAGGATCTGACAC	2220
Qy	2221	CGATCAACACCTCTTAATGCTTCAATATGAACTGGACATCTGCCCTCACTGTGTGTAATG	2280
Db	2221	CGATCAACACCTCTTAATGCTTCAATATGAACTGGACATCTGCCCTCACTGTGTGTAATG	2280
Qy	2281	CATCAAAATATGTGGCTTCCCATCAGTACACAACATTTGAAAGTGGGCTGTGTGTGTGCTG	2340
Db	2281	CATCAAAATATGTGGCTTCCCATCAGTACACAACATTTGAAAGTGGGCTGTGTGTGTGCTG	2340
Qy	2341	TTGGCTGGCTCCGGTTCAGAAAGGCGTTGATGTGGCGTCTTTTCGTAACTTTTAATGG	2400
Db	2341	TTGGCTGGCTCCGGTTCAGAAAGGCGTTGATGTGGCGTCTTTTCGTAACTTTTAATGG	2400

Db 2341 TTGGCTGGCTCCGGTCCAGAGAGCGTGTGACGTGCGCTCTCTTTCTGTAACATTTTATG 2400
 Qy 2401 CCTGGTTTGTACAGATCCCATTTCTGAGATTAACAGTGCATCATGGAATCTTCA 2460
 Db 2401 CCTGGTTTGTACAGATCCCATTTCTGAGATTAACAGTGCATCATGGAATCTTCA 2460
 Qy 2461 GATATGTCATCTCAGAAATGTAAGCTGTTTGAATTTAAATTTTGTCAATGTTTGGGA 2520
 Db 2461 GATATGTCATCTCAGAAATGTAAGCTGTTTGAATTTAAATTTTGTCAATGTTTGGGA 2520
 Qy 2521 CCATCTTAAGTATTCCTGCTCCCTGGAAGATTAACAGTGTAAACAGAACTGACAA 2580
 Db 2521 CCATCTTAAGTATTCCTGCTCCCTGGAAGATTAACAGTGTAAACAGAACTGACAA 2580
 Qy 2581 GAGCTTTTATTTTGGAGCCAGAGAGAGAGTGTACTTGTCTTAACTGCTTTTGT 2640
 Db 2581 GAGCTTTTATTTTGGAGCCAGAGAGAGAGTGTACTTGTCTTAACTGCTTTTGT 2640
 Qy 2641 GCTAAATATGAAATGTCTCAAAATTAAGCTGTGTAATAAGCCGGGTTCCACTGCTCT 2700
 Db 2641 GCTAAATATGAAATGTCTCAAAATTAAGCTGTGTAATAAGCCGGGTTCCACTGCTCT 2700
 Qy 2701 GCTAAGGTCCTCTTCTCTGAGGCTGTGAATCTCTGTAATTTCTTACTTTTGT 2760
 Db 2701 GCTAAGGTCCTCTTCTCTGAGGCTGTGAATCTCTGTAATTTCTTACTTTTGT 2760
 Qy 2761 TCAGGCTTCAATTCATTAATTTTAAATGTTGCTCTGAAAGATGACTTGTATTTT 2820
 Db 2761 TCAGGCTTCAATTCATTAATTTTAAATGTTGCTCTGAAAGATGACTTGTATTTT 2820
 Qy 2821 TCTTTTATTTTAAACATGAGAGCGGTTTGAACAGAGATGCTGCGTTGTGTTTAC 2880
 Db 2821 TCTTTTATTTTAAACATGAGAGCGGTTTGAACAGAGATGCTGCGTTGTGTTTAC 2880
 Qy 2881 CAGCTTTCGCTCAATGCAAGGATTTTAAACAAATTAATTAATTAATTAATTAAT 2940
 Db 2881 CAGCTTTCGCTCAATGCAAGGATTTTAAACAAATTAATTAATTAATTAATTAAT 2940
 Qy 2941 GTAGTCTCTTAATTAAGTGAAGCTTGTGTAATGCTGCGCTCTGCTAGTGTGAGAT 3000
 Db 2941 GTAGTCTCTTAATTAAGTGAAGCTTGTGTAATGCTGCGCTCTGCTAGTGTGAGAT 3000
 Qy 3001 CTATTTGCAATTTGGAGGCTTCTTAAGAGGATGAGTCTTTGACACAGTGAATTT 3060
 Db 3001 CTATTTGCAATTTGGAGGCTTCTTAAGAGGATGAGTCTTTGACACAGTGAATTT 3060
 Qy 3061 AATTTAGTAATTTTGGAGGCTTCTTAAGAGGATGAGTCTTTGACACAGTGAATTT 3120
 Db 3061 AATTTAGTAATTTTGGAGGCTTCTTAAGAGGATGAGTCTTTGACACAGTGAATTT 3120
 Qy 3121 GAAAAAGCTGTTGGCAATCTGTTAATTTCTTAAGATTTCTGGGAGTGTGGATGAT 3180
 Db 3121 GAAAAAGCTGTTGGCAATCTGTTAATTTCTTAAGATTTCTGGGAGTGTGGATGAT 3180
 Qy 3181 GAATGAAGTGAATGTAATTTGGGCAAGTTAAATGGAAGAGCTTCAATGTTTGT 3240
 Db 3181 GAATGAAGTGAATGTAATTTGGGCAAGTTAAATGGAAGAGCTTCAATGTTTGT 3240
 Qy 3241 TCTACTCTTAACTGAATTAATAAAGCTTCAAGTCTTTTGAATAAATAAATA 3290
 Db 3241 TCTACTCTTAACTGAATTAATAAAGCTTCAAGTCTTTTGAATAAATAAATA 3290

RESULT 2
 US-09-919-039-164
 ; Sequence 164, Application US/09919039
 ; Publication No. US20030108871A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kasei, Matthew R.
 ; TITLE OF INVENTION: GENES EXPRESSED IN TREATED HUMAN C3A LIVER CELL CULTURES
 ; FILE REFERENCE: PA-0035 US
 ; CURRENT APPLICATION NUMBER: US/09/919, 039
 ; CURRENT FILING DATE: 2002-09-09

; PRIOR APPLICATION NUMBER: 60/222,113
 ; PRIOR FILING DATE: 2000-07-28
 ; NUMBER OF SEQ ID NOS: 401
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 164
 ; LENGTH: 3290
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Inctye ID No. US20030108871A1 2023119CBI
 US-09-919-039-164
 Query Match 100.0%; Score 3290; DB 11; Length 3290;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 3290; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 CGGCGCTCTCTGCTGCTGCTTCTTCTCGGCGCTGAACCCCGGCTGCTCTGCG 60
 Db 1 CGGCGCTCTCTGCTGCTGCTTCTTCTCGGCGCTGAACCCCGGCTGCTCTGCG 60
 Qy 61 AAGTGTAGTCCGCTGAGCTGTCGCCGTCGCCGACCCGCGGCGCTGTCGCGTGG 120
 Db 61 AAGTGTAGTCCGCTGAGCTGTCGCCGTCGCCGACCCGCGGCGCTGTCGCGTGG 120
 Qy 121 CTCACGCGCTGCGGCTGATCTCTGCTCCGCTCGGCTCTCTTCTCTGAT 180
 Db 121 CTCACGCGCTGCGGCTGATCTCTGCTCCGCTCGGCTCTCTTCTCTGAT 180
 Qy 181 GAACTTGGCTCTTCTCTTCTCGGCAATGAAATTCGCTCGGCTTCTTGAAGCTCTG 240
 Db 181 GAACTTGGCTCTTCTCTTCTCGGCAATGAAATTCGCTCGGCTTCTTGAAGCTCTG 240
 Qy 241 AGCCAAAGAAACCCGAGACAGAGATGCGGATGAGAGATTAATTAATTAATTAAT 300
 Db 241 AGCCAAAGAAACCCGAGACAGAGATGCGGATGAGAGATTAATTAATTAATTAAT 300
 Qy 301 TCGGTTCTGTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
 Db 301 TCGGTTCTGTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
 Qy 361 GCATTTTGAATCTGATATTCGTTTACATCTTGAAGAGGCTGCTGCTGCTGCT 420
 Db 361 GCATTTTGAATCTGATATTCGTTTACATCTTGAAGAGGCTGCTGCTGCTGCTGCT 420
 Qy 421 CTAAACAACTAATCTGAGAGATGGAAGATGGAAGATGGAAGATGGAAGATGGAAG 480
 Db 421 CTAAACAACTAATCTGAGAGATGGAAGATGGAAGATGGAAGATGGAAGATGGAAG 480
 Qy 481 CCGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
 Db 481 CCGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
 Qy 541 TTGCTTGGCAATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
 Db 541 TTGCTTGGCAATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
 Qy 601 GCTCAGTGTAGTGAACCTGGAAGCAAGCTGCAATCTGCAATCTGCAATCTGCAAT 660
 Db 601 GCTCAGTGTAGTGAACCTGGAAGCAAGCTGCAATCTGCAATCTGCAATCTGCAAT 660
 Qy 661 GCTGCTCTTAACTGAGGAGCAAGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGAAG 720
 Db 661 GCTGCTCTTAACTGAGGAGCAAGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGAAG 720
 Qy 721 AGATGTAACTGACTCAAGGAGTACTGATGCGGCTCAAGTGTCTAATGTTGTT 780
 Db 721 AGATGTAACTGACTCAAGGAGTACTGATGCGGCTCAAGTGTCTAATGTTGTT 780
 Qy 781 CTGCTGTGAGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
 Db 781 CTGCTGTGAGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840

QY	841	TTGTTGGGCAACATATTGGTTTCTCCCGTCGGGGAAGAGGGCAGAGAGGGTCAAGTGT	900
DB	841	TTGTTGGGCAACATATTGGTTTCTCCCGTCGGGGAAGAGGGCAGAGAGGGTCAAGTGT	900
QY	901	CTGAACATATATAAATTGTGATGTCTTGATTCGTGTCCGACCTGCTTCTGGAATTATGT	960
DB	901	CTGAACATATATAAATTGTGATGTCTTGATTCGTGTCCGACCTGCTTCTGGAATTATGT	960
QY	961	CTGGAATTTATTTCTTCTGCTGTTCTGTGATTCATCTCTCATPAAGCAGATCAGTTCTTA	1020
DB	961	CTGGAATTTATTTCTTCTGCTGTTCTGTGATTCATCTCTCATPAAGCAGATCAGTTCTTA	1020
QY	1021	ATGTTTGGCCGAGCTTGGCAGTTTTCATATGCTGTGACACAGTTGGAATTAAACCTCTTTTCCA	1080
DB	1021	ATGTTTGGCCGAGCTTGGCAGTTTTCATATGCTGTGACACAGTTGGAATTAAACCTCTTTTCCA	1080
QY	1081	TCATGTATACCTGAGACACCGTTGCTGGGCTTTGACAAACTTCCTGTGAGGGGTACATCC	1140
DB	1081	TCATGTATACCTGAGACACCGTTGCTGGGCTTTGACAAACTTCCTGTGAGGGGTACATCC	1140
QY	1141	TCATCTCGGTGGGATGTGCAAGTTTTCTGTGTCCTTATGCTGTGGTCTTTGTATGTCCCA	1200
DB	1141	TCATCTCGGTGGGATGTGCAAGTTTTCTGTGTCCTTATGCTGTGGTCTTTGTATGTCCCA	1200
QY	1201	GGATGAGAGAAAAAATTGACAGAGAAATAAGTGTATGCTTCTGAAAGCCCTTATATG	1260
DB	1201	GGATGAGAGAAAAAATTGACAGAGAAATAAGTGTATGCTTCTGAAAGCCCTTATATG	1260
QY	1261	AAAAAAGATATAGCTTGAAAGAAGACCATGAAAGAAACAAAGTTGCTGTGGTATATTG	1320
DB	1261	AAAAAAGATATAGCTTGAAAGAAGACCATGAAAGAAACAAAGTTGCTGTGGTATATTG	1320
QY	1321	AAAAACAGCATCTGTATTCTGAGGTAGGGCCTGCACTGTGCCCCTCCAGGCTGTGGTGG	1380
DB	1321	AAAAACAGCATCTGTATTCTGAGGTAGGGCCTGCACTGTGCCCCTCCAGGCTGTGGTGG	1380
QY	1381	AGGAGAGAACAGTCTCATTTCAAACCTTGGAGTTTGGAGGAAGCTCCAGAGAGAGAGGC	1440
DB	1381	AGGAGAGAACAGTCTCATTTCAAACCTTGGAGTTTGGAGGAAGCTCCAGAGAGAGAGGC	1440
QY	1441	TTCCAGGCTGGAATCTGAAAGAAGGAAACACACATATGATAGCAACCGTGAATGCTCAGTGC	1500
DB	1441	TTCCAGGCTGGAATCTGAAAGAAGGAAACACACATATGATAGCAACCGTGAATGCTCAGTGC	1500
QY	1501	AGTTGCCATATGAGAACCTTGTCCAGTTCAAGTCAAGCCGTCAGCAACCAATAAATCTCCA	1560
DB	1501	AGTTGCCATATGAGAACCTTGTCCAGTTCAAGTCAAGCCGTCAGCAACCAATAAATCTCCA	1560
QY	1561	GTGGCATTACCAATGATACACCCGTGCTAAGATTCGCGCTGTACAAAGAGCTACTCC	1620
DB	1561	GTGGCATTACCAATGATACACCCGTGCTAAGATTCGCGCTGTACAAAGAGCTACTCC	1620
QY	1621	ATTAATTATCATCTTGGCCAAAGGTGGGAGATTGSCATGGGAGACTCCGGGTGACAAACCTTTAA	1680
DB	1621	ATTAATTATCATCTTGGCCAAAGGTGGGAGATTGSCATGGGAGACTCCGGGTGACAAACCTTTAA	1680
QY	1681	GGCGCAATATAGCTATACTTCTTATACATGSCAATATGTGGCATGCTCTGTGATTCAT	1740
DB	1681	GGCGCAATATAGCTATACTTCTTATACATGSCAATATGTGGCATGCTCTGTGATTCAT	1740
QY	1741	TCCGTGCCAAGAAAGGTGAACAGAAAGGGCGAAGAAATGAGAGAGCTGACATGGCTTATG	1800
DB	1741	TCCGTGCCAAGAAAGGTGAACAGAAAGGGCGAAGAAATGAGAGAGCTGACATGGCTTATG	1800
QY	1801	CAGACTCCAAAGAGGAATTCGAATGACAGATTAACAGATTTACCTGCAATGCTGTGCTG	1860
DB	1801	CAGACTCCAAAGAGGAATTCGAATGACAGATTTACCTGCAATGCTGTGCTG	1860
QY	1861	ACCTTCACTCAGACATCTGAGATAGACATGATGTCTCAAGCAGAGATGGGTCTTAGTGACA	1920
DB	1861	ACCTTCACTCAGACATCTGAGATAGACATGATGTCTCAAGCAGAGATGGGTCTTAGTGACA	1920
QY	1921	GAAGAAGATATAGGCTCTCTAGAGAGATGTATGACACAGATTAAGCTGAGTCTCTC	1980

Db	1921	GAAGAAGATGATGAGTCTCTTAGAAGATGATGACAGATTAACCGTAGTCTCTC	1980
Qy	1981	TCCTCTTCCAGTTCCTGCAAGATCCTTAACAGCTGCTTTGGGTCAATTCGCCATGCTGGCA	2040
Db	1981	TCCTCTTCCAGTTCCTGCAAGATCCTTAACAGCTGCTTTGGGTCAATTCGCCATGCTGGCA	2040
Qy	2041	ATGACGTAAACCAATGCAATTTGGGCTCTGATGCTTAAATTTGGTTATAGACAAGAG	2100
Db	2041	ATGACGTAAACCAATGCAATTTGGGCTCTGATGCTTAAATTTGGTTATAGACAAGAG	2100
Qy	2101	ATGTTTCTTCAAAAAGTGGCAACAACAATATGCTTACTCTAATGCTGTGTGGTATCT	2160
Db	2101	ATGTTTCTTCAAAAAGTGGCAACAACAATATGCTTACTCTAATGCTGTGTGGTATCT	2160
Qy	2161	GTTGTGCTGTGGGTTTGGGGAAAGAGATTATCCAGACATGGGGAAGATCTGACAC	2220
Db	2161	GTTGTGCTGTGGGTTTGGGGAAAGAGATTATCCAGACATGGGGAAGATCTGACAC	2220
Qy	2221	CGATCACACCCCTCAAGTGGCTTCAGTTATGAACTGGATCTGCCCTCACTGTGTGATG	2280
Db	2221	CGATCACACCCCTCAAGTGGCTTCAGTTATGAACTGGATCTGCCCTCACTGTGTGATG	2280
Qy	2281	CATCAAAATATTGGGCTTCCCATCAGTACAACAATTGTAAGTGGGCTCTGTTGTCTG	2340
Db	2281	CATCAAAATATTGGGCTTCCCATCAGTACAACAATTGTAAGTGGGCTCTGTTGTCTG	2340
Qy	2341	TTGGCTGGCTCCGGTCCAGAAGGCTGTGACTGGCTCTTTTCTGTAACATTTTATAG	2400
Db	2341	TTGGCTGGCTCCGGTCCAGAAGGCTGTGACTGGCTCTTTTCTGTAACATTTTATAG	2400
Qy	2401	CTGTGTTTGTACAGTCCCATTTCTGTGAGTTATCAATGCTGCCATCATAGGCAATCTTCA	2460
Db	2401	CTGTGTTTGTACAGTCCCATTTCTGTGAGTTATCAATGCTGCCATCATAGGCAATCTTCA	2460
Qy	2461	GATATGTCATCCCTCAGAAATGAAAGCTGTTTGAGATTAAATTTGTCTCAATGTTTGGGA	2520
Db	2461	GATATGTCATCCCTCAGAAATGAAAGCTGTTTGAGATTAAATTTGTGTCTCAATGTTTGGGA	2520
Qy	2521	CCATCTTAGGTATTCTGTCTCCCTCGAAGATGATTAACAGTGTTAACAGAAAGCTGCA	2580
Db	2521	CCATCTTAGGTATTCTGTCTCCCTCGAAGATGATTAACAGTGTTAACAGAAAGCTGCA	2580
Qy	2581	GAGCTCTTTTATTTTGGAGCCACAGAGAGGGAAGTGTAACTTTGTGTCTAATCTGTTTGT	2640
Db	2581	GAGCTCTTTTATTTTGGAGCCACAGAGAGGGAAGTGTAACTTTGTGTCTAATCTGTTTGT	2640
Qy	2641	GCTAAATATGATATGCTCAAAATTTAGCTGTGTAAATAGCCGGGTTCCACTGCTCTCT	2700
Db	2701	GCTAGAGTCCCTTCTCTTCTGGGCTGTGAATTCCTGTACATATTTCTTCACTTTTGTGA	2760
Qy	2761	TCAGGCTTCAATTCATTTATGTTTTAATGTTGTCTCGAAGATGACTTGTGATTTTTTTT	2820
Db	2761	TCAGGCTTCAATTCATTTATGTTTTAATGTTGTCTCGAAGATGACTTGTGATTTTTTTT	2820
Qy	2821	TCCTTTTAAAAACATGAAAGGCGTTTACAGAGATGCTCTGGGTGTGGTTTCAAC	2880
Db	2821	TCCTTTTAAAAACATGAAAGGCGTTTACAGAGATGCTCTGGGTGTGGTTTCAAC	2880
Qy	2881	CAGCTTCTGCGCTCACATGACAGGGATTTTAAACAACAAAATATATCAACTTCCCTT	2940
Db	2881	CAGCTTCTGCGCTCACATGACAGGGATTTTAAACAACAAAATATATCAACTTCCCTT	2940
Qy	2941	GTAAGTCTTATATATAGTAAAGTCTTGTGTACTGCGCTCTCTGTCAATGTGGCAAGAT	3000
Db	2941	GTAAGTCTTATATATAGTAAAGTCTTGTGTACTGCGCTCTCTGTCAATGTGGCAAGAT	3000
Qy	3001	CTAATGGCAATTCGGAGCTTCTTAAGGAGTAGGTTCTTTGAACAAGTGAATTTT	3060
Db	3001	CTAATGGCAATTCGGAGCTTCTTAAGGAGTAGGTTCTTTGAACAAGTGAATTTT	3060

Db 3001 CTAATGGCATATTCGGAGCTCTTAAGAGGATAGAGTCTTTGAAACACAGTGAATAATTT 3060
 QY 3061 AAATAGTAATCTTTTTCGAAGCAGTTTATTAATGATCTTATTTGCTTAAGAAAGATGAAGAA 3120
 Db 3061 AAATAGTAATCTTTTTCGAAGCAGTTTATTAATGATCTTATTTGCTTAAGAAAGATGAAGAA 3120
 QY 3121 GAAAAAGCTGTGGCAATCTTGTATTTCTTTAAGATTTCTGGCAGTGTGGATGAT 3180
 Db 3121 GAAAAAGCTGTGGCAATCTTGTATTTCTTTAAGATTTCTGGCAGTGTGGATGAT 3180
 QY 3181 GAATGAAGTGAATGTGAATCTTTGGGCAAGTAAATGGGACAGCTTCCATGTTCAATTTG 3240
 Db 3181 GAATGAAGTGAATGTGAATCTTTGGGCAAGTAAATGGGACAGCTTCCATGTTCAATTTG 3240
 QY 3241 TCTACCTCTTAAGTAATAAAAAAGCCTACAGTTTGTAGAAAAA 3290
 Db 3241 TCTACCTCTTAAGTAATAAAAAAGCCTACAGTTTGTAGAAAAA 3290

RESULT 3

US-10-240-965-111
 ; Sequence 111, Application US/10240965
 ; Publication No. US20030165924A1
 ; GENERAL INFORMATION:
 ; APPLICANT: INCYTE GENOMICS, INC.
 ; APPLICANT: SHIFEMAN, Dov
 ; APPLICANT: SOMOGYI, Roland
 ; APPLICANT: LAMN, Richard M.
 ; APPLICANT: SELHAMER, Jeffrey J.
 ; APPLICANT: PORTER, Gordon J.
 ; APPLICANT: MIKITA, Thomas
 ; APPLICANT: TAI, Julie
 ; TITLE OF INVENTION: GENES EXPRESSED IN FOAM CELL DIFFERENTIATION
 ; FILE REFERENCE: PA-0025 PCT
 ; CURRENT APPLICATION NUMBER: US/10/240,965
 ; CURRENT FILING DATE: 2002-10-04
 ; PRIOR APPLICATION NUMBER: 60/195,106
 ; PRIOR FILING DATE: 2000-04-05
 ; NUMBER OF SEQ. ID NOS: 276
 ; SOFTWARE: PERL Program
 ; SEQ. ID NO 111
 ; LENGTH: 3328
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; OTHER INFORMATION: Incyte ID No. US20030165924A1 474592.3
 US-10-240-965-111

Query Match 99.4%; Score 3270.8; DB 13; Length 3328;

Best Local Similarity 99.9%; Pred. No. 0; Matches 3283; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 CGGCGCTCTCGCGGTTCTTCTCGGCGCTGAACCCCGCGGCTGTTCTCTG 60
 Db 34 CGGCGCTCTCGGCTGTTCTTCTCGGCGCTGAACCCCGCGGCTGTTCTCTG 93
 QY 61 AAGGTGTGAGTCCCGTGAAGTGTCCCGGTGCGCGACCCCGGCGGTGTGCGGTG 120
 Db 94 AAGGTGTGAGTCCCGTGAAGTGTCCCGGTGCGCGACCCCGGCGGTGTGCGGTG 153
 QY 121 CTCGAGCGGTGCGGCTGATCTCCGTCGTCGCGCTCGGCGCTCTTTCCTGAAT 180
 Db 154 CTCGAGCGGTGCGGCTGATCTCCGTCGTCGCGCTCGGCGCTCTTTCCTGAAT 213
 QY 181 GAATGCGCTCTTCTCTTCTCGCGCATGAATTTGCTCGGTCTTTAGCCCTCTG 240
 Db 214 GAATGCGCTCTTCTCTTCTCGCGCATGAATTTGCTCGGTCTTTAGCCCTCTG 273
 QY 241 AGCGAAAGAAACCCGACAGACAGATGCCATACGACGCTTATGACATTAATCCCAAGC 300
 Db 274 AGCGAAAGAAACCCGACAGACAGATGCCATACGACGCTTATGACATTAATCCCAAGC 333

QY 301 TCGGTTTCTGTGCGGTAGTTTACAGTATTTAATTTAATATATATATTTATATA 360
 Db 334 TCGGTTTCTGTGCGGTAGTTTACAGTATTTAATTTAATATATATATATATA 393
 QY 361 GCATTTTATACCTCATATTTCTGTTTACACATCTTTGAAGGCGCTGATGTTCTTA 420
 Db 394 GCATTTTATACCTCATATTTCTGTTTACACATCTTTGAAGGCGCTGATGTTCTTA 453
 QY 421 CTAAACACACATCTCCAGAGATGGCAAGGTATTAACAGTACTACAGCTGCTACCG 480
 Db 454 CTAAACACACATCTCCAGAGATGGCAAGGTATTAACAGTACTACAGCTGCTACCG 513
 QY 481 CCGCTTGTGCTCTTGTGGAATCTATGATGCTCATCTGCGCTTCAATATGAT 540
 Db 514 CCGCTTGTGCTCTTGTGGAATCTATGATGCTCATCTGCGCTTCAATATGAT 573
 QY 541 TTGCTTGGCATTTCTCGGTGGAGCCATGATGATGATGATGATGATGATGATGAT 600
 Db 574 TTGCTTGGCATTTCTCGGTGGAGCCATGATGATGATGATGATGATGATGATGAT 633
 QY 601 GCTCAGGTGATGACCCCTGAAGCAAGCTGCATCTCTAGCTAGCATCTTTGAACAGTGG 660
 Db 634 GCTCAGGTGATGACCCCTGAAGCAAGCTGCATCTCTAGCTAGCATCTTTGAACAGTGG 693
 QY 661 GCTCTGTCTTACTGCGGCGCAAGTGAAGCAACATCCGGAAGGCTGATGAAGTGG 720
 Db 694 GCTCTGTCTTACTGCGGCGCAAGTGAAGCAACATCCGGAAGGCTGATGAAGTGG 753
 QY 721 AGATGTACACTGCACTCAAGGCTATCTATGCGGCTCACTCACTGATGATGATGAT 780
 Db 754 AGATGTACACTGCACTCAAGGCTATCTATGCGGCTCACTCACTGATGATGATGAT 813
 QY 781 CTGCTGTGGAACCTCGGCTGCTTTTGAAGCTCCCTATTTCTGGAACCATGTA 840
 Db 814 CTGCTGTGGAACCTCGGCTGCTTTTGAAGCTCCCTATTTCTGGAACCATGTA 873
 QY 841 TTGTTGTGCAACTATGTTTCTCTCTGTTGCAAGGCGGAGGAGTCAAGTGT 900
 Db 874 TTGTTGTGCAACTATGTTTCTCTCTGTTGCAAGGCGGAGGAGTCAAGTGT 933
 QY 901 CTGAATGATTAATAATGTGATGCTGTGTTGCTGCTGCTGCTGCTGCTGCTGCTG 960
 Db 934 CTGAATGATTAATAATGTGATGCTGTGTTGCTGCTGCTGCTGCTGCTGCTGCTG 993
 QY 961 CTGAATTTTATTTCTCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020
 Db 994 CTGAATTTTATTTCTCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1053
 QY 1021 ATGTTTGGAGCTTTGCAAGTCTTCTATGCTGCAAGTGGAAATTAACCTCTTTTCA 1080
 Db 1054 ATGTTTGGAGCTTTGCAAGTCTTCTATGCTGCAAGTGGAAATTAACCTCTTTTCA 1113
 QY 1081 TCAATGATCTGAGACCGGTTGCTGAGTGAACAACTTCTCTGTGAGGATCAATCC 1140
 Db 1114 TCAATGATCTGAGACCGGTTGCTGAGTGAACAACTTCTCTGTGAGGATCAATCC 1173
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RESULT 4
 US-09-954-531-137
 ; Sequence 137, Application US/09954531
 ; Patent No. US20020165180A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Weaver, Zoe
 ; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc
 ; FILE REFERENCE: 689290-77
 ; CURRENT APPLICATION NUMBER: US/09/954,531
 ; PRIOR FILING DATE: 2002-05-02
 ; PRIOR APPLICATION NUMBER: US/60/233,133
 ; PRIOR FILING DATE: 2000-09-18
 ; PRIOR APPLICATION NUMBER: US/60/234,009
 ; PRIOR FILING DATE: 2000-09-20
 ; PRIOR APPLICATION NUMBER: US/60/234,034
 ; PRIOR FILING DATE: 2000-09-20
 ; PRIOR APPLICATION NUMBER: US/60/234,509

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QY	604	CAGGTGTAGTACCCTGAAAGACCTGCATCTTAGCTAGCATCTTTGAAACAGTGGCT	663
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QY	1144	TCTCGGTGGAGTGTCAAGTTTCTGTGCCCTTATGCTGTGTTCTTTATATGTCACAGA	1203
Db	781	TCTCGGTGGAGTGTCAAGTTTCTGTGCCCTTATGCTGTGTTCTTTATATGTCACAGA	840
QY	1204	TGAAGAGAAAAATTGAACGAGAAATPAAAGTGTAGCTCTTGTGAAAGCCCTTAATGAAA	1263
Db	841	TGAAGAGAAAAATTGAACGAGAAATPAAAGTGTAGCTCTTGTGAAAGCCCTTAATGAAA	900
QY	1264	AAAAAATATGCTTGAAGAAGAACCTATGAAGAAACAAGTTGTCTGTATGATATTTGAA	1323
Db	901	AAAAAATATGCTTGAAGAAGAACCTATGAAGAAACAAGTTGTCTGTATATTTGAA	960
QY	1324	ACAACATCTCGTTTCTGAGTGAAGGGCCCTGCACATGTGCCCTCCAGGCTGTGGTGAAG	1383
Db	961	ACAACATCTCGTTTCTGAGTGAAGGGCCCTGCACATGTGCCCTCCAGGCTGTGGTGAAG	1020
QY	1384	AGAGAACAGTCTCATTTCAAACCTTGGAGATTTGAGAAAGCTTCAGAGAGAGAGAGCTTC	1443
Db	1021	AGAGAACAGTCTCATTTCAAACCTTGGAGATTTGAGAAAGCTTCAGAGAGAGAGAGCTTC	1080
QY	1444	CCAGCGTGAACCTTGAAGAAGGAAACCAAGTATGATAGCACCGTGAATGTGTGACGTGACGT	1503
Db	1081	CCAGCGTGAACCTTGAAGAAGGAAACCAAGTATGATAGCACCGTGAATGTGTGACGTGACGT	1140
QY	1504	TGCCATAATGGGAACCTGTGCCATTCAGTCAAGCGGTGAGAACCAATAATCAATCCAGTG	1563
Db	1141	TGCCATAATGGGAACCTGTGCCATTCAGTCAAGCGGTGAGAACCAATAATCAATCCAGTG	1200
QY	1564	GGCATTAACAGTATACACCGTGCATTAAGATTTCCGGCTGTGATAAAGACTACTCATTA	1623
Db	1201	GGCATTAACAGTATACACCGTGCATTAAGATTTCCGGCTGTGATAAAGACTACTCATTA	1266
QY	1624	AATATCATCTTGGCAAGGTGGAGATTGCATGGAGACTCCGGTGTACAAACCCTTAAGGC	1683

Db	1261	AAATTACATCTTGGCCAAAGTGGAGATTGGCATGGGAGCTCCGGGACAAACCTTAAGGC	1320
Qy	1684	GCATTAATAGCTAATCTTCTTAATCCATGGCAATATGTGGCATGCTCTGGAATTCATTCC	1743
Db	1321	GCATTAATAGCTAATCTTCTTAATCCATGGCAATATGTGGCATGCTCTGGAATTCATTCC	1380
Qy	1744	GTGCGAAAGAAAGGGAACAGAAAGGGCGAAGAAATGAGAAAGCTGACATGGGCTTAATGCAG	1803
Db	1381	GTGCGAAAGAAAGGGAACAGAAAGGGCGAAGAAATGAGAAAGCTGACATGGGCTTAATGCAG	1440
Qy	1804	ACTCCAAAGACGAATTCGATGAGACAGTTACACAGTTACTGCAATGCTGTGTCTGACC	1863
Db	1441	ACTCCAAAGACGAATTCGATGAGACAGTTACACAGTTACTGCAATGCTGTGTCTGACC	1500
Qy	1864	TTCACTCAGCATCTGAGATATGACATGATGTCAAGGCAAGATGGGCTTAGGTGACGAA	1923
Db	1501	TTCACTCAGCATCTGAGATATGACATGATGTCAAGGCAAGATGGGCTTAGGTGACGAA	1560
Qy	1924	AAGGAACATTAATGGGCTCTAGAAAGAAATGGATGACAGGATTAAGGCTGAAGTCTCTGCC	1983
Db	1561	AAGGAACATTAATGGGCTCTAGAAAGAAATGGATGACAGGATTAAGGCTGAAGTCTCTGCC	1620
Qy	1984	TCTTCCAGTTCCTGACAGATCCTTAACAGCTGTCTTGGGTCATTGCCCCATGGTGGCAATG	2043
Db	1621	TCTTCCAGTTCCTGACAGATCCTTAACAGCTGTCTTGGGTCATTGCCCCATGGTGGCAATG	1680
Qy	2044	ACGTAAACCAATGCCATTTGGGCTCTGTGGTGTCTTAATTTGGTTATATGACACAGAGATG	2103
Db	1681	ACGTAAACCAATGCCATTTGGGCTCTGTGGTGTCTTAATTTGGTTATATGACACAGAGATG	1740
Qy	2104	TTTTTCTTCAAAAGTGGCAACCAATATGGCTTCACTTAATGGTGGTGGATATCTGTG	2163
Db	1741	TTTTTCTTCAAAAGTGGCAACCAATATGGCTTCACTTAATGGTGGTGGATATCTGTG	1800
Qy	2164	TTGGTCTGTGGGTTTGGGGAAAGAGTTATCCAGACCATGSGGAAAGATCTGACACGA	2223
Db	1801	TTGGTCTGTGGGTTTGGGGAAAGAGTTATCCAGACCATGSGGAAAGATCTGACACGA	1860
Qy	2224	TCACACCCCTAGTGGCTTCAGTATTTGAATGGAATGSCATCTGCCCTCACCTGTGTGATTCGAT	2283
Db	1861	TCACACCCCTAGTGGCTTCAGTATTTGAATGGAATGSCATCTGCCCTCACCTGTGTGATTCGAT	1920
Qy	2284	CAAAATATTGGGCTTCCCATCAGTACAAACAATGTAATGGGGCTCTGGTGTGTCTGTG	2343
Db	1921	CAAAATATTGGGCTTCCCATCAGTACAAACAATGTAATGGGGCTCTGGTGTGTCTGTG	1980
Qy	2344	GCTGGCTCCGGTCCAAAGAAAGGCTTTGATAGTGGCTCTTTCGTGAATTTTATGGGCT	2403
Db	1981	GCTGGCTCCGGTCCAAAGAAAGGCTTTGATAGTGGCTCTTTCGTGAATTTTATGGGCT	2040
Qy	2404	GATTGTGCACAGTCCCAATTTCTGGAATTAACAGTGTGCCATCATGGCAATCTTCAAGAT	2463
Db	2041	GATTGTGCACAGTCCCAATTTCTGGAATTAACAGTGTGCCATCATGGCAATCTTCAAGAT	2100
Qy	2464	ATGTCAATCTCAGAAATGGAAGCTGTTGAGATTTAAATTTGTGTCAATGTTTGGGACA	2523
Db	2101	ATGTCAATCTCAGAAATGGAAGCTGTTGAGATTTAAATTTGTGTCAATGTTTGGGACA	2160
Qy	2524	TCTTAAGGTAATCCGTGCTCCCTGGAAGATGTTACAGTGTAAACAGAAAGACTGACAAAG	2583
Db	2161	TCTTAAGGTAATCCGTGCTCCCTGGAAGATGTTACAGTGTAAACAGAAAGACTGACAAAG	2220
Qy	2584	TCTTTTATTTTGGAGCCAGAGGAGGAGTACTTGTGTCTAATTAATCTGTGTTTGTGCT	2643
Db	2221	TCTTTTATTTTGGAGCCAGAGGAGGAGTACTTGTGTCTAATTAATCTGTGTTTGTGCT	2280
Qy	2644	AAATATGAAATGTCTCAAAATTAAGCTGTGTAATTAAGCCGGGTTTCCATGGCTCTGTCT	2703
Db	2281	AAATATGAAATGTCTCAAAATTAAGCTGTGTAATTAAGCCGGGTTTCCATGGCTCTGTCT	2340
Qy	2704	GAGGTCCCTTTCTTCTGTGGCTGTGAATTCGTACATAATTTCTCACTTTTGTATCA	2763

Db 2341 GAGGTCCCTTCTCTGCGGCTGTGAATTCCTGTACATATTTCTACATTTTGTATCA 2400
Qy 2764 GGCTTCAATTCATATGTTTAAATGTTGTCTGAAGATGACTGTGATTTTCTTCT 2823
Db 2401 GGCTTCAATTCATATGTTTAAATGTTGTCTGAAGATGACTGTGATTTTCTTCT 2460
Qy 2824 TTTTAAACATGAAGACCGTTTGAACAGAGATCTGTGCTTGTGTTTCAACAG 2883
Db 2461 TTTTAAACATGAAGACCGTTTGAACAGAGATCTGTGCTTGTGTTTCAACAG 2520
Qy 2884 CTCTGCTTCAATGATGAGTCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGT 2943
Db 2521 CTCTGCTTCAATGATGAGTCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGT 2580
Qy 2944 GTCTCTTAAATGAATGAGTCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGT 3003
Db 2581 GTCTCTTAAATGAATGAGTCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGT 2640
Qy 3004 TTGGCATATTCGGAGCTTCTTGAAGGATGAGGTTCTTGAACACAGTGAATTTAA 3063
Db 2641 TTGGCATATTCGGAGCTTCTTGAAGGATGAGGTTCTTGAACACAGTGAATTTAA 2700
Qy 3064 TTGATTAATTTTTCGACAGCTTATTTGCTGTTATTTCTGAAGAGATGAAGAA 3123
Db 2701 TTGATTAATTTTTCGACAGCTTATTTGCTGTTATTTCTGAAGAGATGAAGAA 2760
Qy 3124 AAAGCCTTGGGCAATCTTGGTATTTCTTAAATTTCTGCACTGTGAGATGA 3183
Db 2761 AAAGCCTTGGGCAATCTTGGTATTTCTTAAATTTCTGCACTGTGAGATGA 2820
Qy 3184 TGAAGTGAATGTCATCTTGGGCACTTAAATGGAAGACCTTCCATGTTCT 3243
Db 2821 TGAAGTGAATGTCATCTTGGGCACTTAAATGGAAGACCTTCCATGTTCT 2880
Qy 3244 ACCTCTTAATGAATAAAAAGCCTACAGTTTATG 3279
Db 2881 ACCTCTTAATGAATAAAAAGCCTACAGTTTATG 2916

RESULT 10

US-10-042-211A-124
Sequence 124, Application US/10042211A
Publication No. US20030170719A1
GENERAL INFORMATION:
APPLICANT: MATSUDA, Akio et al.
TITLE OF INVENTION: NFKB Activating Gene
FILE REFERENCE: 1254-0192P
CURRENT APPLICATION NUMBER: US/10/042, 211A
CURRENT FILING DATE: 2002-01-11
PRIOR APPLICATION NUMBER: JP 2000-402288
PRIOR FILING DATE: 2000-12-28
PRIOR APPLICATION NUMBER: JP 2001-088912
PRIOR FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: JP 2001-254018
PRIOR FILING DATE: 2001-08-24
PRIOR APPLICATION NUMBER: US 60/258,315
PRIOR FILING DATE: 2000-12-28
PRIOR APPLICATION NUMBER: US 60/278,640
PRIOR FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: US 60/314,385
PRIOR FILING DATE: 2001-08-24
NUMBER OF SEQ ID NOS: 162
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 124
LENGTH: 2916
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (81)..(2117)
US-10-042-211A-124

Query Match 88.5%; Score 2911.2; DB 13; Length 2916;

Best Local Similarity 99.9%; Pred. No. 0;
Matches 2913; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 364 TTTTGAATACCTTCAATATTCCTGTTTAAATGTTGTCTGAAGATGACTGTGATTTTCTTCT 423
Db 1 TTTTGAATACCTTCAATATTCCTGTTTAAATGTTGTCTGAAGATGACTGTGATTTTCTTCT 60
Qy 424 AACACCATCTACTCCAGAGATGAGCAACCGTATTTACAGTACTACAGCTGACCGCG 483
Db 61 AACACCATCTACTCCAGAGATGAGCAACCGTATTTACAGTACTACAGCTGACCGCG 120
Qy 484 CTCTGCTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 543
Db 121 CTCTGCTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180
Qy 544 TCTTGGCATATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 603
Db 181 TCTTGGCATATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
Qy 604 CAGGTGATGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 663
Db 241 CAGGTGATGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
Qy 664 CTGTCTTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 723
Db 301 CTGTCTTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
Qy 724 TGTACAACTGCACTCAAGGGCTACTGATGCGCGCTCATGCTGCTGCTGCTGCTGCTGCT 783
Db 361 TGTACAACTGCACTCAAGGGCTACTGATGCGCGCTCATGCTGCTGCTGCTGCTGCTGCT 420
Qy 784 CTGTGCTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 843
Db 421 CTGTGCTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
Qy 844 TTGCTGCACTATTTGCTTCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 903
Db 481 TTGCTGCACTATTTGCTTCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
Qy 904 AACTGATTAATAATTTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 963
Db 541 AACTGATTAATAATTTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
Qy 964 GAATTTATTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1023
Db 601 GAATTTATTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
Qy 1024 GTTTCGAGCTTTCGCAATTTCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1083
Db 661 GTTTCGAGCTTTCGCAATTTCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
Qy 1084 TGTATATCTGAGACACCGTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1143
Db 721 TGTATATCTGAGACACCGTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
Qy 1144 TCTCGGTGGATGTCAGTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1203
Db 781 TCTCGGTGGATGTCAGTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Qy 1204 TGAAGAGAAAAATTTGAACGAAATTAAGTATGCTCTTCTGAAGACCCCTTAAATGAGAA 1263
Db 841 TGAAGAGAAAAATTTGAACGAAATTAAGTATGCTCTTCTGAAGACCCCTTAAATGAGAA 900
Qy 1264 AAAAGAAATGCTTGAAGAAAGCAATGAAGAAACAAAGTTGCTGTGTGATATTTGAA 1323
Db 901 AAAAGAAATGCTTGAAGAAAGCAATGAAGAAACAAAGTTGCTGTGTGATATTTGAA 960
Qy 1324 ACAAGCATCTGTTCTGAGGTAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1383
Db 961 ACAAGCATCTGTTCTGAGGTAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
Qy 1384 AGAGAACTGCTCAATTCAACTTGAGATTTGAGAGAGCTCCAGAGAGAGAGGCTTC 1443

Db 1021 AGAGAACGCTCATCTTCAAACTTGGAGATTGGAGAGAGCTCCAGAGAGAGAGGCTTC 1080
Qy 1444 CCAGCGTGAATTGAAAGAGAAACAGCATATAGTACACCGGTGATAGTGTGAGTCACT 1503
Db 1081 CCAGCGTGAATTGAAAGAGAAACAGCATATAGTACACCGGTGATAGTGTGAGTCACT 1140
Qy 1504 TGCCTAAATGGGAACCTTGTCTCAGTTCAGTCAAGCCGTGAGCAACCAATTAATCTCAGTG 1563
Db 1141 TGCCTAAATGGGAACCTTGTCTCAGTTCAGTCAAGCCGTGAGCAACCAATTAATCTCAGTG 1200
Qy 1564 GCCACTACCGATACACACCGGTGATAGTATCCCGGCTGTATCAAAAGACTACTCCATA 1623
Db 1201 GCCACTACCGATACACACCGGTGATAGTATCCCGGCTGTATCAAAAGACTACTCCATA 1260
Qy 1624 AATTACATCTTGGCAAGTGGAGATTCAGATGGAGACTCCGGTGAACAAACCTTAAGGC 1683
Db 1261 AATTACATCTTGGCAAGTGGAGATTCAGATGGAGACTCCGGTGAACAAACCTTAAGGC 1320
Qy 1684 GCAATTAATAGCTATCTTCTTATACATGGCAATATGTGGCAGTCTGTGATTCATTCC 1743
Db 1321 GCAATTAATAGCTATCTTCTTATACATGGCAATATGTGGCAGTCTGTGATTCATTCC 1380
Qy 1744 GTGCAAAAGAGTGAACAGAGGGCGAAGAAATGAGAAAGCTGACATGGCTTAATGACAG 1803
Db 1381 GTGCAAAAGAGTGAACAGAGGGCGAAGAAATGAGAAAGCTGACATGGCTTAATGACAG 1440
Qy 1804 ACTCCAAAGAGCGAATTCGATGAGATTCACACGATTAAGTGTGTCTGACC 1863
Db 1441 ACTCCAAAGAGCGAATTCGATGAGATTCACACGATTAAGTGTGTCTGACC 1500
Qy 1864 TTCACTGAGCATCTGATGATGACATGAGTGTCAAGGACAGAGATGGGTCTAGGTGACAGAA 1923
Db 1501 TTCACTGAGCATCTGATGATGACATGAGTGTCAAGGACAGAGATGGGTCTAGGTGACAGAA 1560
Qy 1924 AAGGAATTAATGTGCTCTCTAGAGAAATGTATGACAGATTAAGCTGAAGTCTCTTCC 1983
Db 1561 AAGGAATTAATGTGCTCTCTAGAGAAATGTATGACAGATTAAGCTGAAGTCTCTTCC 1620
Qy 1984 TCTTCAGATTCCTGAGATCTTACAGCTGCTTGGGTGATTCGACCATGATGATGATG 2043
Db 1621 TCTTCAGATTCCTGAGATCTTACAGCTGCTTGGGTGATTCGACCATGATGATGATG 1680
Qy 2044 ACCTAACCAATGCGATTTGGGCTCTGTGTTTATTAATTTGGTTATGACACAGAGATG 2103
Db 1681 ACCTAACCAATGCGATTTGGGCTCTGTGTTTATTAATTTGGTTATGACACAGAGATG 1740
Qy 2104 TTTCTTTAAAGTGGCAACACCAATATGGCTTCTATCTATATGATGATGATGATG 2163
Db 1741 TTTCTTTAAAGTGGCAACACCAATATGGCTTCTATCTATATGATGATGATGATG 1800
Qy 2164 TTGGTCTGTGGGTTTGGGGAAGAGATTATCCAGACCATGSGGAGATCTGACACCGA 2223
Db 1801 TTGGTCTGTGGGTTTGGGGAAGAGATTATCCAGACCATGSGGAGATCTGACACCGA 1860
Qy 2224 TCACACCCCTTATGAGTTCAGTATGAACTGGCATCTGCCCTCATGCTGTGATGATG 2283
Db 1861 TCACACCCCTTATGAGTTCAGTATGAACTGGCATCTGCCCTCATGCTGTGATGATG 1920
Qy 2284 CAAATATTTGGCTTCCATCTGATCAACACATTTGTAAGTGGGCTCTGTGTGTCTGTG 2343
Db 1921 CAAATATTTGGCTTCCATCTGATCAACACATTTGTAAGTGGGCTCTGTGTGTCTGTG 1980
Qy 2344 GCTGGCTCCGGTCCAGAGAGGCTGTGATGAGTGGGCTCTTCTGTAACATTTTATGAGCT 2403
Db 1981 GCTGGCTCCGGTCCAGAGAGGCTGTGATGAGTGGGCTCTTCTGTAACATTTTATGAGCT 2040
Qy 2404 GGTGTTCACAGTCCCATTTCTGAGTTATCAGTGTCCCATGAGCAATCTTCAGAT 2463
Db 2041 GGTGTTCACAGTCCCATTTCTGAGTTATCAGTGTCCCATGAGCAATCTTCAGAT 2100
Qy 2464 ATGTCAATCTCTCAAGATGAGAGCTGTTGAGATTAATTTGTGCAATGTTTGGACCA 2523
Db 2101 ATGTCAATCTCTCAAGATGAGAGCTGTTGAGATTAATTTGTGCAATGTTTGGACCA 2160

Qy 2524 TCTTAGGATTCCTGTCTCCCTGAGAAATGATTAAGTGTAAACAGAAAGCTGACAAAG 2583
Db 2161 TCTTAGGATTCCTGTCTCCCTGAGAAATGATTAAGTGTAAACAGAAAGCTGACAAAG 2220
Qy 2584 TCTTTTATTTGGGACCCAGAGAGAGGAAAGTGTACTGTGTCTATTAATCTGCTTGTGCT 2643
Db 2221 TCTTTTATTTGGGACCCAGAGAGAGGAAAGTGTACTGTGTCTATTAATCTGCTTGTGCT 2280
Qy 2644 AAATATGAATTTGCTCAAAATTTAGTGTAAATAGCCCGGTTCCATGCTGCTGCT 2703
Db 2281 AAATATGAATTTGCTCAAAATTTAGTGTAAATAGCCCGGTTCCATGCTGCTGCT 2340
Qy 2704 GAGGTCCCTTCTCTCTGAGGCTGTGAATTCCTGTACATATTTCTACTTTTGTATCA 2763
Db 2341 GAGGTCCCTTCTCTCTGAGGCTGTGAATTCCTGTACATATTTCTACTTTTGTATCA 2400
Qy 2764 GGTCTCAATTCATTTATGTTTATTAATGTGTCTGTGAAGATGATGATTTTCTTCT 2823
Db 2401 GGTCTCAATTCATTTATGTTTATTAATGTGTCTGTGAAGATGATGATTTTCTTCT 2460
Qy 2824 TTTTATTAACATGAAGAGCCGTTTGAACAGACATGCTCTGCTGTGTTGTTTCAACAG 2883
Db 2461 TTTTATTAACATGAAGAGCCGTTTGAACAGACATGCTCTGCTGTGTTGTTTCAACAG 2520
Qy 2884 CTCTGCTCTACATGACAGGAGATTTAAACAAACAAATTAATCAACTTCCCTTGTGA 2943
Db 2521 CTCTGCTCTACATGACAGGAGATTTAAACAAACAAATTAATCAACTTCCCTTGTGA 2580
Qy 2944 GTCTCTTATTAATGATGATGCTCTGTTGATCTCTGCTCTCTGCTGATGATGATGAT 3003
Db 2581 GTCTCTTATTAATGATGATGCTCTGTTGATCTCTGCTCTCTGCTGATGATGATGAT 2640
Qy 3004 TTGGCAATATCGGAGGCTCTTGAAGGATGAGATCTTGTGAACACAGTGAATTTTAA 3063
Db 2641 TTGGCAATATCGGAGGCTCTTGAAGGATGAGATCTTGTGAACACAGTGAATTTTAA 2700
Qy 3064 TTAGTAACTTTTGGACAGATTTATGACGTATTTGTAAGAGAGATTAAGAAAGAA 3123
Db 2701 TTAGTAACTTTTGGACAGATTTATGACGTATTTGTAAGAGAGATTAAGAAAGAA 2760
Qy 3124 AAGGCTGTGGCAATCTTGTATTTCTTAAATTTTGGAGTGTGGAGTGAAGAA 3183
Db 2761 AAGGCTGTGGCAATCTTGTATTTCTTAAATTTTGGAGTGTGGAGTGAAGAA 2820
Qy 3184 TGAAGTGAATGTAATCTTGGCAAGTGAATGAGACAGCTTCCATGTTCAATTTGCT 3243
Db 2821 TGAAGTGAATGTAATCTTGGCAAGTGAATGAGACAGCTTCCATGTTCAATTTGCT 2880
Qy 3244 ACCTCTTAAGTGAATTAAGAAAGCTTACAGTTTTAA 3279
Db 2881 ACCTCTTAAGTGAATTAAGAAAGCTTACAGTTTTAA 2916

RESULT 11
US-10-062-674-2102
; Sequence 2102, Application US/10062674
; Publication No. US2004005559A1
GENERAL INFORMATION:
; APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.
; TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS
; FILE REFERENCE: PA-0026-1 CIP
; CURRENT APPLICATION NUMBER: US/10/062,674
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: US 09/625,102
; PRIOR FILING DATE: 2000-07-24
; NUMBER OF SEQ ID NOS: 2217
; SOFTWARE: PERL Program
; LENGTH: 3447
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

NAME/KEY: misc.Feature
 FEATURE:
 OTHER INFORMATION: Incyte ID No. US2004005559A1 474592.5
 NAME/KEY: unsure
 LOCATION: (1) ... (3447)
 OTHER INFORMATION: a, t, c, g, or other
 US-10-062-674-2102

Query Match 68.3%; Score 2245.8; DB 12; Length 3447;
 Best Local Similarity 91.4%; Pred. No. 0;
 Matches 3120; Conservative 0; Mismatches 170; Indels 124; Gaps 65;

1 CGGCGCTCTGCGTGGTCTTCTTCTGCGCGCGTGAACCCCGCGCTGCTTCTCTGGG 60
 34 CGGCGCTCTGCGTGGTCTTCTTCTGCGCGCGTGAACCCCGCGCTGCTTCTCTGGG 93
 61 AAGTCTGAGTCCCGTGAAGCTGTCCCGGTGCGCGACCGG-----GCCGTGGCC 115
 94 AAGTCTGAGTCCCGTGAAGCTGTCCCGGTGCGCGACCGGCGCGTGGTGGCC 153
 116 CGTGGCTCCAGCGCGCTGCGCTGATCTGCTGCTCCCGCTCCCGCTCCCTTTTCCC 175
 154 CGTGGCTCCAGCGCGCTGCGCTGATCTGCTGCTCCCGCTCCCGCTCCCTTTTCCC 213
 176 T-GGATGAATTGCG-GTCTTCTCTTCTCCGCGCATGGAATTCT-GCTCCGTCTTTAG 232
 214 TGGATGAATTGCGGCTTCTTCTTCTCCGCGCATGGAATTCTGCTCCGTGGTTTAA 273
 233 CCTCTGAGCCCAAGAAACCCAGACAAGATGCCATACGCGATGAGAGTAAC 292
 274 CCTCTGAGCCCAAGAAACCCAGACAAGATGCCATACGCGATGAGAGTAAC 333
 293 TCCCGAGCTGGTTCGTGCGCGATGATTAAGATTTAATTAATTAATTAAT 352
 334 TCCCGAGCTGGTTCGTGCGCGATGATTAAGATTTAATTAATTAATTAAT 393
 353 TTAATTAAGATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 412
 394 TTAATTAAGATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 453
 413 TTCTCTTAATAACCACTACTCCAGAGATGGCAACGCTGATTAACAGTACAGC 472
 454 TTCTCTTAATAACCACTACTCCAGAGATGGCAACGCTGATTAACAGTACAGC 513
 473 TGTACCGCGCTTCTGCTTCTTGTGAGTACTATGATGCTCATCTCTGGCTTCAT 532
 514 TGTACCGCGCTTCTGCTTCTTGTGAGTACTATGATGCTCATCTCTGGCTTCAT 573
 533 TATTGCAATTGCTTGTG-GCAATTCTCGTGGAGCCAAATGATGACAAATTTCTTGGT- 590
 574 TATTGCAATTGCTTGTGCAATTCTCGTGGAGCCAAATGATGACAAATTTCTTGGT- 633
 591 -----ACAGCTGTGGCTCAGGTGATGACCTTGA-----GCAAGCTGCTCATCTGACT 641
 634 TACACGACGTGTGTGGCTCAGGTGATGACCTTGA-----GCAAGCTGCTCATCTGACT 693
 642 AGCATCTTTGAACAGTGGCTCTGTCTTACTGGGGGCCAAAGTGAAGCAATCCATCCG 701
 694 AGCATCTTTGAACAGTGGCTCTGTCTTACTGGGGGCCAAAGTGAAGCAATCCATCCG 753
 702 AAGGCTGTGAT-TGAGGTGAGATGTACAATC-----GACTCAAGGGCTACATG-ATGGCG 756
 754 AAGGCTGTGATGTAGATGTAGATGTACAATC-----GACTCAAGGGCTACATGATGGCG 813
 757 GCTCAAGTCA--GTGCTATGTTGGTCT--GCTGTGTGCAACTGCTGGCTGTGTTTGG 812
 814 GCTCAAGTCAAGTGTGCTATGTTGGTCTGTGCTGTGTGGCAACTGCTGGCTGTGTTTGG 873
 813 AAGTCTCC--TATTTCTGAACCAATTTGATTTGTGTGCAACTATTTGAGTTTCTCCC 866
 874 AAGTCTCCCAATTTCTGTGGAACCAATTTGATTTGTGTGCAACTATTTGAGTTTCTCCC 933
 867 CTGTGTGCAAAAGGGGAGAGGGGTGTC-AAGTGTCTGAACGTATTAATAATTTGATGTCT 925

934 TCGTGCAAAGGGGAGAGAGGTGTCAAGGTGTCTGAACGTATTAATAATTTGTATGTCT 993
 926 TTGGTT-CCGTGCCCACTGCTTTCTGGAATTAATGTCTGGAATTTAATCTTCCGTGTC 994
 994 TTGGTTCCGTGCCCACTGCTTTCTGGAATTAATGTCTGGAATTTAATCTTCCGTGTC 1053
 985 GTGCATTCATCCCTCATTAAGGAGATCCAGTTCCTAATGTTTGGCGAGCTTCCAGTTT 1044
 1054 GTGCATTCATCCCTCATTAAGGAGATCCAGTTCCTAATGTTTGGCGAGCTTCCAGTTT 1113
 1045 TCTATCTCTGACAGTTGGAATTAACCTTTTTCATCATGTATCTGAGACACCGTTGC 1104
 1114 TCTATCTCTGACAGTTGGAATTAACCTTTTTCATCATGTATCTGAGACACCGTTGC 1173
 1105 TGGGCTTTGACAACTCTCTGTGGGGTACATCTCTGCGGGATGTGCAATT 1164
 1174 TGGGCTTTGACAACTCTCTGTGGGGTACATCTCTGCGGGATGTGCAATT 1233
 1165 TCTGTCCCTTATCTGTGTTCTTTGTATGTCTCCAGATGGAAGAAATTTGAACGAG 1224
 1234 TCTGTCCCTTATCTGTGTTCTTTGTATGTCTCCAGATGGAAGAAATTTGAACGAG 1293
 1225 AATAAAGTGTAGTCTTCTGAAAGCCCTTAAATGGAAGAAATTAATCTTGAAGAG 1284
 1294 AATAAAGTGTAGTCTTCTGAAAGCCCTTAAATGGAAGAAATTAATCTTGAAGAG 1353
 1285 ACCATGAAGAAACAAAGTTGTCTGTGTGATTTGAAACAAAGATCCCTGTTCTGAG 1344
 1354 ACCATGAAGAAACAAAGTTGTCTGTGTGATTTGAAACAAAGATCCCTGTTCTGAG 1413
 1345 --TAGGGCCCTGACAGTGTCCCTCCAGCTGTGTGAGAGAGAAAGTCTCATTT-CA 1401
 1414 GTTAGGGCCCTGACAGTGTCCCTCCAGCTGTGTGAGAGAGAAAGTCTCATTTCCA 1473
 1402 AACTTGAAGATTTGAGAAAGCTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1459
 1474 AACTTGAAGATTTGAGAAAGCTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1533
 1460 AAGAGAAACAGC--ATATGATGACCGTGAATGTTGCAAGTCAATTCCTTAATGG-- 1514
 1534 AAGAGAAACAGTCACTGATTAAGACCGTGAATGTTGCAAGTCAATTCCTTAATGGAG 1593
 1515 AACTTGTCAAGTTCAGTCAAGCCGTGACCAACCAATTAATCTCAGTGGCCACTACAG 1574
 1594 AACTTGTCCAGTTCAGTCAAGCCGTGACCAACCAATTAATCTCAGTGGCCACTACAG 1653
 1575 TATCACACCGTGTATGAGATTCGGCTGTACCAAGAGCTACTCATTAATTAATCTT 1634
 1654 TATCACACCGTGTATGAGATTCGGCTGTACCAAGAGCTACTCATTAATTAATCTT 1713
 1635 GCCAAGT-GGAGATTTGATGAGAGACTCCGTGACAAACCTTTAAGCGCAATTAATG 1693
 1714 GCCAAGTGGGAGATTTGATGAGAGACTCCGTGACAAACCTTTAAGCGCAATTAATG 1773
 1694 CTATACCTCTTATACATGAGCAATATGT--GGCATGTCTGTGATTCATTCGGTCCAAAG 1752
 1774 CTATACCTCTTATACATGAGCAATATGTGGCATGTCTGTGATTCATTCGGTCCAAAG 1833
 1753 AAGGTGAACGAAGGGCGAAGAAATGAGAAAGTGAATGAGCTTAATGAGACTCCAGAG 1812
 1834 AAGGTGAACGAAGGGCGAAGAAATGAGAAAGTGAATGAGCTTAATGAGACTCCAGAG 1893
 1813 AAGGAATTTGATGACAGTTACCAAGTTATCTGCAATGTGTGTGACCTTCACTCAG 1872
 1894 AAGGAATTTGATGACAGTTACCAAGTTATCTGCAATGTGTGTGACCTTCACTCAG 1953
 1873 CATCTGATGATGACATGAGTGTCAAGGAGAG-ATGGGTCTAGGTGACGAAGAAAGAGT 1931
 1954 CATCTGATGATGACATGAGTGTCAAGGAGAGATGTGGGTCTAGGTGACGAAGAAAGAGT 2013
 1932 AATGCTCTCTAGAAAGATGT--TATGACGAGATTAAGCTGAAGTCTCTCT--CCTCTT 1987

Db	2014	AATGCTCTTAGAAGAAATGGTTATAGACCAAGATTAAGCCTGAAGTAACTACTACTCTT	20733
Qy	1988	CCAGTTCTCG--CAGATCTCTACAGCTCTGTTGGGCTAATG---CCCATGCTGGCAATG	20433
Db	2074	CCAGTTCCTGCGCAGATCTCTTACAGCTCTCTTTGGGTCATTGGCGAACCATGATGGCAATG	21333
Qy	2044	-ACGTAAAGCAATGACCAATTGGGGCTCTGGTT--GCTTATATTTGGTTATATGACACAGAGA	21010
Db	2134	CAGTTAAGCAATGCCATTTGGGCTCTGGTTGGCTTTATATTTGGTTATATGACACAGAGA	21933
Qy	2102	TGTTTCTTCAAAAGTGGCAACCAATAATGCTTCTACTCTAATGATGGTGTGTGATCTG	21611
Db	2194	TGTTTCTTCAAAAGTGGCAACCAATAATGCTTCTACTCTAATGATGGTGTGTGATCTG	22533
Qy	2162	TGTTGGCTCTGGGTTTGGGGAGAAGACTTATCCAG--ACCATGGGGAAGATCTGACA	22119
Db	2254	TGTTGGCTCTGGGTTTGGGGAGAAGAGTATCCAGACCAATGGGGCAAGATCTGACA	23133
Qy	2220	CCGATCACACCTCTAATGAGCTT---CAGTATTTGAATCGGACATCGGCC-TCACTGTGCT	22775
Db	2314	CCGATCACACCTCTAATGAGCTTCCAGATTTTGAATCTGCAATCTGCCCTTCACTGTGCT	23777
Qy	2276	GATTGCAATC-AAATATTTGGCCCTTCCCATCAG--TACAAACATTTGTA---GTGGGC	23377
Db	2374	GATTGCAATCAAAATATTTGGCCCTTCCCATCAGCTTCAATTCATTTGTAAGGCTGGGCC	24333
Qy	2338	TCTGTTGTGT-CTGTTGGCTGGCTCCGCTCCAGAAGCTGTTGACTGCGCTCTTTTG	23866
Db	2434	TCTGTTGTGTCTGTTGGCTGGCTCCGCTCCAGAAGCTGTTGACTGCGCTCTTTTGN	24933
Qy	2387	TAACTTTT---ATGGCCGTGGTTTGTACAGGCCCATTTCTGAGTATACATGCT	24411
Db	2494	GTTAATTTTCTACTGCTGGT	25533
Qy	2442	GCCAT-CATGGCAATCTTCAATATATGAT-CCTCAGATGTGAAGCTGTTGAGATTAA	24939
Db	2554	GCCATACATGGGAATCTTCAATATATGATCCTCCTCAGATGTGAAGCTGTTGAGATTAA	26133
Qy	2500	AATTTGTGCAATGTTTGGGACCAATCTT-AGGTAATTCCTGCTCCCTGAAGAATGA-TTA	25577
Db	2614	AATTTGTGCAATGTTTGGGACCAATCTTAAAGGTAATTCCTGCTCCCTGAAGAATGA-TTA	26733
Qy	2558	CAGTCTTAAAG--AAGACTGACA-AGAGCTTTTATTTGGAGGCAAGAGGGAATG	26155
Db	2674	CAGTCTTAAAGAAAGACTGACACAGAGCTTTTATTTGGAGGCAAGAGGGAATG	27333
Qy	2616	TTACTTGTGCTAATCTGCTTTGTGTAAATATG--AATGTCTCAAAATTAAGCTGT	26737
Db	2734	TTACTTGTGCTAATCTGCTTTGTGTAAATATGGAATGTGTCTCAAAATTAAGCTGT	27933
Qy	2674	AAATATAGCCCGGGTTCAC--TGCGCTCTGTGAGGT-CCCTCTTCTTCTGGGCTGTG	27299
Db	2794	AAATATAGCCCGGGTTCACCTGAGCTCTGTGTGAGGTCCCTCTCTTCTGGGCTGTG	28533
Qy	2730	AATTCCTGTACATATTTCTACTTTTGTATCA-GGCTTCAATTCATTAATGT-TAA	27877
Db	2854	AATTCCTGTACATATTTCTACTTTTGTATCAAGGCTCTCAATTCATTAATGTCTTAA	29133
Qy	2788	TGTTGTCTCTG--AAGATGACTGTGATTTTTTTTT--CTTTTTTAAACCATGAGAG	28433
Db	2914	TGTTGTCTCTGTGAAGATGACTGTGATTTTTTTTTTTTTTTTTTAAACATGAGAGAG	29737
Qy	2844	CCGTTTGAACAG-AGATGCTGTG-CGTTGTGGTTTACCAAGCTTCT---GCCCTACA	28977
Db	2974	CCGTTTGAACAGAGGATGCGGTGCGTTGTGGTTTCAACCAGCTTCTGGGCCCTACA	30333
Qy	2888	TGCACAGGATTTAAC--AACAAAATTAATCTACAAT--CCTTGTATGCTCTTATA	29533
Db	3034	TGCACAGGATTTAAACAAACAAAATTAATCTACAATCCCTTGTATGCTCCCTTAA	30933
Qy	2954	T---AAGTAGAGTCTGTGTAATCTG---CCCTCTGTCAAGTGTGAGG---ATCAT	30044
Db	3094	TATATGTTAGAGTCCCTTGTATCTTCTGCCCCCTCTGTCAAGTGTGAGGCAAGATCTAAT	31533

Oy	3005	TGGCATTTGCGAGCTTCTTAGAGGGATGA- ---GGTCTTTAAACA-GTAATAATT	3059
Db	3154	GCGCATTTTCGGAGCCTTCTTAGAGGGATGAGTTCCTTTAACAACAGGTAAATT	3213
Oy	3060	TAAATTAGTAAC-TTTTTTGCAACAGTTATTGACTGTTATTGCTAAGAAG-AAATAG	3117
Db	3214	TAAATTAGTAACTTTTTTTGCAACAGCTTTATTGACTGTTATTGCTAAGAAGAATAG	3273
Oy	3118	AAAAGAAAAAGCCTGTGGCAATCTTGGTATTTCTTTAAGATTTCTGGACAGTGGGATG	3177
Db	3274	AAAAGAAAAAGCCTTGTGGCAATCTTGGTATTTCTTTAAGATTTCTGGCAGTGGGATG	3333
Oy	3178	GATGAATGAAGTGAATGTGAATCTTTGGCAAGTTAAATGSGACAGCCTTGCATGTTCAT	3237
Db	3334	GATGAATGAAGTGAATGTGAATCTTTGGCAAGTTAAATGGGACAGCCTTCCATGTTTCAT	3393
Oy	3238	TTGCTCACCTTTAACTGAATGA-AAAAAGCCTACAGTTTTTTTAGAAAAA	3290
Db	3394	TTGCTCACCTTTAACTGBATNGAAAAAGCCTACAGTTTTTTTAGAAAAA	3447

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Qy 2458 TCAGATATGTCATCT 2473
Db 2174 TCATGTATGGATCT 2189

RESULT 13

US-09-873-367C-143
Sequence 143, Application US/09873367C
Publication No. US20030165839A1
GENERAL INFORMATION:
APPLICANT: Young, Paul
APPLICANT: Soppet, Daniel
APPLICANT: Endress, Gregory
APPLICANT: Augustus, Meena
APPLICANT: Ebner, Reinhard
APPLICANT: Carter, Kenneth
TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
FILE REFERENCE: 689290-64
CURRENT APPLICATION NUMBER: US/09/873,367C
PRIOR APPLICATION NUMBER: U.S. 60/236,891
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: U.S. 60/236,891
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: U.S. 60/244,867
PRIOR FILING DATE: 2000-11-01
PRIOR APPLICATION NUMBER: U.S. 60/245,084
PRIOR FILING DATE: 2000-11-01
NUMBER OF SEQ ID NOS: 1067
SOFTWARE: PatentIn version 3.0
SEQ ID NO 143
LENGTH: 3175
TYPE: DNA
ORGANISM: Homo sapiens
US-09-873-367C-143

Query Match 18.8% Score 617.2; DB 13; Length 3175;
Best Local Similarity 60.3%; Pred. No. 2.8e-167;

Matches 1203; Conservative 0; Mismatches 718; Indels 75; Gaps 8;

Qy 496 TGGTGAATCACTATGATGCTCATCTCGGCTTCATTAATGCAATTTGCTTGGCATCT 555
Db 251 TGGATGATATTTTGGATGATGATATTTGGGTTTCATCATAGCTTTCATCTGGCCTTT 310
Qy 556 CCGTGGAGCCATGATGATGCAAAATTTCTTGTGATACGCTGTGGCTCAGGTATGTA 615
Db 311 CTGTTGGTGCAAAAGATGTTGCCAACTCTTGTGTACAGCGGTGGCTCTGGTGTGTA 370
Qy 616 CCGTGAAGCAAGCTGATCCTAGCTAGCATCTTGAACAGTGGGCTGTCTTACTGG 675
Db 371 CTTGAGGCAAGCATGATGATTTTACCTTCAATTTGAAACACCGGCTCCGTGTACTAG 430
Qy 676 GGGCCAAAGTAGAGCAAAACATCCGAAGGCTTGTATGAGCTGAGATGTACAATCGA 735
Db 431 GCGCAAAAGTAGAGCAAAACATTTGCAAGGATATCATTTGAGTGAACCTGTACAAGAGA 490
Qy 736 CTCAAGGCTATGATGAGCGGCTCAGTCACTGCTATGTTGGTGTCTGTGTGTGCAAC 795
Db 491 CCGTGAAGCTATGATGCTGGGGAAGTGTAGTGCATGAGTGTGGTCCGCTGTGTGGCAGC 550
Qy 796 TCGTGGTGTGTTTGAAGTCCCTATTTCTGGAACCATTTGATTTGGTGGCACTA 855
Db 551 TGATTTCTCTCTCTTAAGGCTTCAATCTCAGAAAGCACTGATTTGGGTCTACTA 610
Qy 856 TTGGTTCTCCTCTGTCGCAAAAGGAGGAGGAGGTCTCAAGTGTCTGAATGAATAAAA 915
Db 611 TAGATATCTACAGTGTGCAATGATGTAACAAGGTGTGAGTGAAGAGGTGTCAAGA 670
Qy 916 TTGTGATGCTGTGTTGTGTGCTCCCACTGCTTTTGAATTAATGTCTGAATTTTATCT 975
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Qy 1036 TGGCAATTTTCTATGCTGCAAGTGTGAATTAACCTCTTTTCCATCATGATATCTGAG 1095
Db 791 TCCCATGATTTCTATGCTGTACCATAGCAATCAATGCTTTTCCATCATGATATCAAGAG 850
Qy 1096 CACGTTGCTGGCTTTGAACAACTCTGTGGGGTACCACTCTCATCTCGTGGAGAT 1155
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Qy 1216 TTGAACGAATAAATGATGATCTCTTGAAGCCCTTAATGAAAAAAGAAATAGCT 1275
Db 968 TTAACGCAAAATTAACAAAAAGAGTGTATTACAGAGTATCTGCAAAAGCTGAGTA 1027
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Qy 1336 TTTCTGAGTGGGCTGTGCACTGTGCCCTCCAGGCTGTGTGAAGAGAAAGATCT 1395
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Qy 1396 CATTCAACTTGGAGATTGGAAGAAAGCTTCAGAGAGAGAGAGGCTTCCAGGTGATCT 1455
Db 1123 -----ACACTGGGAGACTCGGAAGGCACTTGTGCG-----GGCAGCACTCTGGGCT 1170
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Db 1171 GCATACGAAAGACACTGTTCATGACCATGCTCTGTGAATGCGCCATCTCCACGCG 1230
Qy 1516 ACCTTGTCCAGTTCACTCAAGCCGTGAGCAACCAATTAATCTCAGTGGCACTACAGT 1575
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Qy 1750 AAGAGGTGAACGAAGGGCGAAAGAAATGAGAAAGTCAATGCTTAATG---CAGACT 1806
Db 1454 CTGCGGACTCATCGGCCCAAGAGAGCAATGAGAGTGTGGCGCACCGGTGTCTTACT 1513
Qy 1807 CCAAGAGGAATTTGAATGACAGTTACACAGTTACTGCAATGCTGTGTGTGACCTTC 1866
Db 1514 CCAAGAGAGGCTGCGCTACAGACAGTCTCAGCTACTGTATACGGGTGTGAGAGGCGG 1573
Qy 1867 ACTCAGATCTGAGA-----TAGACATGAGTCAAGGAGAGATGAGTCTAGGT 1917
Db 1574 AGATGAGGCGAGAGAGGGGCGGCTGTGAGATGAGAGTGTGGGTGTGAGCTGGCGAGC 1633
Qy 1918 ACAGAAAGAGAGTAATGCTCTCTTGAAGATGTATATGACAGATTAAGCTGAAGTCT 1977
Db 1634 ACCAGCGGAGAGAGACCTGTGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1693
Qy 1978 CTCTCTCTTCAGGCTCTGAGAGATCTTAACAGCTGTTGGGTGATTTGCGCCATGAT 2037
Db 1694 ACCTCTGTTCATTTCTGTGAGAGTCTTCAACGCTGTGTTTGGGTCTTTTGTCTCAGGCG 1753

Qy	2038	GCATTGACGTAAAGCAATGCCATTGGGCGCTGTGGTCTTTAATATTGGTTTATGACAG	2097
Db	1754	GCAATGACGTAGTATGATGCCATCGGTCCCTGTGATGCCCTGTGGCTGATTTTACAAACAAG	1813
Qy	2098	GAGATGTTTCTTCAAAAGTGGCAACCCAAATATGGCTTCTACTATGATGGTGTGTGTA	2157
Db	1814	GCGGGGTAAACCAAGAACAGTATACCCGTCGTGGCTGTCTGTTTTATGGAAGAGTTGGAA	1873
Qy	2158	TCTGTGTTGGTCTGTGGGTTGGGGAGAGAGATTATCAAGCCATGGGGAAAGATCTGA	2217
Db	1874	TCTGACACGGGCTCTGGGTTCTGGGGGAGAAAGTGATCAAGCCATGGGGAAAGGACTCA	1933
Qy	2218	CACCGATCACACCCCTCTAGTGGGCTTCAGTATTGAACTGGCAATCGGCCCTCACTGNGTGA	2277
Db	1934	CTCCCATACCGCCGTTCAGCGGCTTTCAGATCGAGCTGGGCTTCACATGAGTGA	1993
Qy	2278	TTGCATCAAAATATTGGCGCTTCCCATCAGTACAAACATTTGTAAGTGGGCTCTGTGTGT	2337
Db	1994	TGCGCTTCMAATCGGGGCTTCACGTACACACACGACTGTAAAGTGGGCTCGGTGTGG	2053
Qy	2338	CTGTTGGGTGGCTCCGGTTCMAAGAGGCTGTGACTGGCGTCTCTTTGCTAACTTTTAA	2397
Db	2054	CCGTGGGCTGATCCGCTCCGCAAGGCTGTGGATGTGCGCGCTCTTTGGAAACATCTTCG	2113
Qy	2398	TGGCTGTTTGTCAACAGTCCCAATTTCTGGAGTATCAGTGTGCCATATGGCAATCT	2457
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Db	2174	TCATGTATAGGATCTCT	2189

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RESULT 14
US-10-388-934-200
; Sequence 200, Application US/10388934
; Publication No. US20040005547A1
GENERAL INFORMATION:
APPLICANT: Boeess, Franziska
APPLICANT: Suter-Dick, Laura
APPLICANT: Wolf, Detlef
TITLE OF INVENTION: BENCHMARKERS AND EXPRESSION PROFILES FOR TOXICOLOGY
FILE REFERENCE: 21199
CURRENT APPLICATION NUMBER: US/10/388,934
CURRENT FILING DATE: 2003-03-14
PRIOR APPLICATION NUMBER: 02005336.9
PRIOR FILING DATE: 2002-03-14
PRIOR APPLICATION NUMBER: 02015657.6
PRIOR FILING DATE: 2002-07-17
NUMBER OF SEQ ID NOS: 862
SOFTWARE: PatentIn version 3.1
SEQ ID NO 200
LENGTH: 2287
TYPE: DNA
ORGANISM: Rattus norvegicus (No. US20040005547A1 rat)
US-10-388-934-200

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Query Match	18.7%;	Score 615;	DB 12;	Length 2287;
Best Local Similarity	60.0%;	Pred. No. 9.5e-167;		
Matches 1195;	Conservative	0;	Mismatches 720;	Indels 78;
				Gaps 7;

QY	496	TGGGGAATTACCTTAAAGATGCAATCCGGGCTCATTAATTGGCAATTTCTTTGGCATTTCT	555
Db	278	TGGATGGGTAATCTGGAGTGGTCATTTTGGGTTTCATTAATTCCTTCAATCCGGCATTTT	337
QY	556	CCGTGGAGCCAAATGATGTAGCAAAATTTCTTTTGTCAGCTGTGGGCTCAGGTGTAGTGA	615
Db	338	CAGTTGGGCCAAATGATGTAGCAACTCCTTTGGAAACGGCGTGGGCTCTGGCGTGGTGA	397
QY	616	CCCTGAACCAAGCCCTGCATTCCTAGCTACACTTTGGAACAGTGGGCTCTGTCTTACCTGG	675
Db	398	CCCTGAGACAGCATGCAATCTCGGCTTGATTAATTGAAACCAACCGGCTCTGTGCTTTTGG	457

QY	676	GGGCCAAAGTAGGGAAACCATCCGGAAAGGCGTTGATGACGTGGAAATGTATCAACTCGA	735
Db	458	GAGGAAAGTGGAGAGACTATTCGGAAAGGCGCATTTGACGTGAACCTCTACATAGAGA	517
QY	736	CTCAAGGCGTCTACTATGAGCCGGCTCAGTCAAGTGTATATGTTTGGTTCGTGTGGGCAAC	795
Db	518	CTGTGGAAAGCGCTATGGCTGTGGGAAAGTGAATGACATGTGTGGCTCAGCGGTCTGGCAGT	577
QY	796	TCGTGGCTTCGTGTTTTGMAAGCTCCCTATTTCTGAGAACCATTTGATTTGTGGTGCAACTA	855
Db	578	TGATCGCGTCTCTCTGAGACTCCCAATCTCAGGGACACACTGCACTGTGGGCTCTACCA	637
QY	856	TTGGTTTCTCCTCTGTGGCAAAAGGGCGAGAGGGGTCTCAAGTGTCTGAATCTGATTAATAA	915
Db	638	TTGGCTTCTGTGCTGTGGCCATCTGGCCCAAGGGAGTGAATGTGAATCTGTCAAGA	697
QY	916	TTGTGATGTCTGGTGTGGTGTGTCCTCCCACTGCTTTCTGGAAATTATGTCTGAAATTTATCT	975
Db	698	TCGTTGCTCCTCGTGTATATCCCACTTCTGTCTGTGGCTTCATGTCTGTGTGTGCTGTTC	757
QY	976	TCCTGTTCGTGCATTCATCCCTCCTTAAGGCAGATCCAGTTCTTAATGGTTTGGAGCTT	1035
Db	758	TCGTGATCAGAATTTATCTTAACCAAGAGAGACCTGTTCAAACGGTCTCCAGGCAC	817
QY	1036	TGCCAGTTTCTATAGCTCGCACAGTGGATTAACCTTCCTTTCCATATATATCTAG	1095
Db	818	TTCTCTGTGTTTATGCTGCGCATCTATACATTAACAGCTTCTCCATCATATGACACAGAG	877
QY	1096	CACGGTGTGGGCTTTGACAAATTCCTCTGTGGGGGATACCATCTCATCTCGGTGGAT	1155
Db	878	CACCAATGCTGGGCT---GTGCTCCCATCTGGGCAATAGCGCTATCTCTTCGGCG	934
QY	1156	GTGCAGTTTCTGTGCCCTTATCGTCTGTGTTCTTTGTATGTCCAGAGATGAAGAAAA	1215
Db	935	TTGCCGTGTGCTGGCTTCTGTGTGTGGCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	994
QY	1216	TTGAACGAAATTAAGTATGTCTTCTTGAAAGCCCTTAATGAAAAAAGATATGCT	1275
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QY	1276	TGAAAGAAAGCCATGAAGAAACAAAGTTGTCTGTGTGATATTTGAACAAAGATCCTG	1335
Db	1055	AGTACAGAAAGCTGAGTCCCTGTCTTTAAGAGCTTCTGTGTCCAAAGCCAGTATG	1114
QY	1336	TTTCTGAGATGAGGCGCTGCACTGTGCCCTCCAGCGTGTGTGAGAGAGAACATCT	1395
Db	1115	ACAGCGCTGTCCCTCAACAGTGTGGCTGGGAGGCTGTGGGGGCTCAGAAAGCAGCT	1174
QY	1396	CATTCAACTTGAAGATTTGAGAGAGCTCCAGAGAGAGAGGCTTCCAGCGTGAAT	1455
Db	1175	CA-----GAGGGAACTCACC-----GAGGGAACTCACC-----GAGGGCT	1197
QY	1456	TGAAAGAGAAACCAAGCATATATGCAACCGTGAATGTGTGACATGCAATTCCTAATGGA	1515
Db	1198	TCCTAGCGCGAGCACTTTCATATACCTCAGGCTCTGCAAGTCAACCATCTCCATATGA	1257
QY	1516	ACCTTGTCAAGTTCAATCAAGCGCTCAGCAACCAATAAATCCAGTGGCCATCAACAGT	1575
Db	1258	ACCTTTGGCTTCAAGGCGCATG-----AGAAATGACGTCACGTTT	1300
QY	1576	ATCAACCGTGCATTAAGATTTCCGGCTGTACAAAGAGCTACTCCATTAATTTACATCTTG	1635
Db	1301	ATCATATCTGTACAAAGACTCGGGACTTACAAAGACTGTGTCACAAATTCATATAG	1360
QY	1636	CCAAAGTGGAGATTTGCATGGGA-----GACTCCGGTGCAAAACCTTAAAGGCGCATAT	1689
Db	1361	ACAAAGGCGCCGAGAGAAACCAAGCTCAGAGAAACATCAAGGCTCTCCGAGAGACA	1420
QY	1690	ATAGCTTATCTTCTATACCATGAGCAATATGTGGCAATGAGCTCTG---GATTTCAATCCGTG	1746
Db	1421	ACAGCTACAGTGTCTTACAGCGAGCAATCTGTGGGCAATGCGGTGCAAGCCACTTACAGG	1480
QY	1747	CCAAAGAGGTGAACAGAGGCGCAGAGAAATGAGAAAGCTGACATGGCTTAATG---CAG	1803

Db	1481	CTCTGGACACTCTCTCCGCCGCCGAGGATAGCGAAGAGCTGTGTGGGTGACACCGTGTCT	1540
Qy	1804	ACTCCAGAAAGCGAATTCGAATGAGACATTACACCACTTACTGCATGTGTGTCTGA--	1861
Db	1541	ATTCCAAAGAAAGGCTCCGCTACACAGACTACTCAGTACTGCAGCGGTGACGAGG	1600
Qy	1862	-----CTTCACTCAGCATCTGAGTATGACATGAGTGTCAAGGACAGATGTGGTCTAG	1914
Db	1601	CGGAGATGAGAGCGCCGAAAGAGGGCGCGCTGGAAATGAGAGCTGTGGCTCTGAGCTTAC	1660
Qy	1915	GTCACAGAAAAAGAAAGTATGAGTCTCTAGAAGATGATATGACAGAGTATAGCTGAAG	1974
Db	1661	CTGACCAAGCCCTCAGAGAGATCTCTGGGAAAGCGAAGAGAGAAAGGAAAGGAAAGG	1720
Qy	1975	TCTCTCTCTCTTCCAGTCTCTGAGATCTCTTACAGCTGCTTTGGGTCAATCGCCATG	2034
Db	1721	TCCACCTGCTCTTCCACTTCTCGAAGTCTCACTGCTGCTTTGGGTCTTGTCTCAAG	1780
Qy	2035	GTGGCAATGACGTATAGCAATGCAATTTGGGCTCTGTGTCTTATTTATTTGTTATGCA	2094
Db	1781	GTGGCAACGATGTAGCAATGCTATCGGTCCCTTGTGGCCCTGTGCTGATATATTAAC	1840
Qy	2095	CAGAGATGTTCTCTTCAAAAGTGGCAACCAATATGGCTCTACTATGTGTGTG	2154
Db	1841	AMGCGGAGTTTACCAAGAAAGCTGTACTCCAGTCTGGCTGTCTTTATGTGGGCGTTG	1900
Qy	2155	GTATCTGTGTGTGTCTGTGGGTTTGGGAGAAAGATTATCCAGACCATGGGAAAGATC	2214
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Qy	2215	TGACACCGGATACACCCCTCTATGTGGCTTCAATTTGAATGTGGCATCTGGCCTCACTGTG	2274
Db	1961	TCACACCCATACACCGCTCAGTGGCTTCACTATTTAGCTGGCCTGTGCTTCAACCGTGG	2020
Qy	2275	TGATTCGATCAAAATATTGGCGCTTCCCATCAGTACAAACATTTGATAAGTGGGCTCTGTG	2334
Db	2021	TGATTCGCTCCAACTATTGGGCTTTCCTCGTACACACACACACTGCAGGTGGGCTCACTGG	2080
Qy	2335	TGTCGTGTGGCTGGCTCCGATCCAAAGAGCTGTGACTGGCGTCTCTTTGTAACATT	2394
Db	2081	TAGCGGTGGGCTGGATCGGCTCCCGGAAAGCTGTGTGACTGGCGCTTCCGAAACATAT	2140
Qy	2395	TTATGGCTGTGTTGTGTCAAGTCCCATTTCTGAGATTATCAGTGTCTCCATATGGCAA	2454
Db	2141	TTATTTGCTGTGTGTGTGACCGGTGGCGGACCTTTTCAGTGTGTCTATCATGTGCTC	2200
Qy	2455	TCTTCAGATATGT 2467	
Db	2201	TCTCATGTATAT 2213	

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 21, 2004, 14:51:06 ; Search time 180 Seconds
(without alignments)
8067.503 Million cell updates/sec

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Perfect score: 3290
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Scoring table: IDENTITY_NUC
Gapop 10.0, Gapept 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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6: /cgn2_6/prodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3172	96.4	3211	1	US-07-674-287B-1
2	3172	96.4	3211	2	US-08-436-900A-1
3	2133	64.8	3260	1	US-07-674-287B-3
4	2131.4	64.8	3260	2	US-08-436-900A-3
5	617.2	18.8	3175	1	US-08-050-684-1
6	617.2	18.8	3175	1	US-08-582-719-1
7	495.2	15.1	662	3	US-09-328-111-623
8	451.4	13.7	613	3	US-09-328-111-521
9	393	11.9	643	3	US-09-328-111-269
10	99.8	3.0	1830121	4	US-09-557-884-1
11	99.8	3.0	1830121	4	US-09-643-990A-1
12	87	2.6	1407	4	US-09-252-991A-6471
13	87	2.6	1407	4	US-09-252-991A-6303
14	86	2.6	1230025	4	US-09-198-452A-1
15	73.6	2.2	4403765	3	US-09-103-840A-2
16	73.6	2.2	4411529	3	US-09-103-840A-1
17	62.2	1.9	7218	1	US-08-232-463-14
18	58.6	1.8	1029	4	US-09-134-001C-2591
19	55.6	1.7	783	4	US-09-252-991A-6003
20	54.4	1.7	585	4	US-09-252-991A-6083
21	52.2	1.6	7218	1	US-08-232-463-14
22	42.2	1.3	289	3	US-09-007-005-17
23	42.2	1.3	289	3	US-09-244-796-17
24	41.2	1.3	4403765	3	US-09-103-840A-2
25	41.2	1.3	4411529	3	US-09-103-840A-1
26	40.4	1.2	569	4	US-09-461-325-44
27	40.4	1.2	31491	3	US-09-360-186-1

28	40.2	1.2	1280	3	US-09-060-756-4	Sequence 4, Appl1
29	40.2	1.2	1280	4	US-09-670-314-4	Sequence 4, Appl1
30	39.8	1.2	1410	4	US-09-634-238-191	Sequence 191, App
31	39.4	1.2	8257	4	US-09-595-684B-30	Sequence 30, Appl1
32	39.4	1.2	8503	4	US-09-620-312D-130	Sequence 130, App
33	39.4	1.2	16442	3	US-08-781-891-208	Sequence 208, App
34	39.4	1.2	16442	4	US-09-618-166-208	Sequence 208, App
35	39.2	1.2	521	3	US-09-488-744A-10	Sequence 10, Appl1
36	39.2	1.2	1028	3	US-08-118-200-1	Sequence 1, Appl1
37	39	1.2	1028	3	US-08-458-745-1	Sequence 1, Appl1
38	38.8	1.2	3399	4	US-09-351-224E-9	Sequence 9, Appl1
39	38.8	1.2	3399	4	US-09-677-488A-9	Sequence 9, Appl1
40	38.8	1.2	3399	4	US-09-677-682B-9	Sequence 9, Appl1
41	38.6	1.2	401	3	US-09-221-298-45	Sequence 45, Appl1
42	37	1.1	366	4	US-09-389-681-278	Sequence 278, App
43	37	1.1	366	4	US-09-620-405B-278	Sequence 278, App
44	37	1.1	366	4	US-09-339-338-278	Sequence 278, App
45	37	1.1	366	4	US-09-433-826B-278	Sequence 278, App

ALIGNMENTS

RESULT 1
US-07-674-287B-1
Sequence 1, Application US/07674287B
Patent No. 5414076
GENERAL INFORMATION:
APPLICANT: Bryan Mark O'Hara
TITLE OF INVENTION: Glibon Ape Leukemia
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dr. Karen A. Lowney
STREET: 1937 West Main Street
STREET: P.O. Box 60
CITY: Stamford
STATE: CT
COUNTRY: USA
ZIP: 06904-0060
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC AT
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII converted from IBM DM4
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/674,287B
FILING DATE: 19910325
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Lowney, Karen A., Dr.
REGISTRATION NUMBER: 31,274
REFERENCE/DOCKET NUMBER: 31,104-01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 203 321 2361
TELEFAX: 203 321 2971
TELEX: 710 474 4059
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3211 Base Pairs
TYPE: NUCLEOTIDE SEQUENCE
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: DNA
US-07-674-287B-1
Query Match 96.4%; Score 3172; DB 1; Length 3211;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 3180; Conservative 0; Mismatches 8; Indels 1; Gaps 1;

OY	97	CCGACC	CGGGCC	GTGTG	CCCGTGG	CTCAG	CGCGT	CTCGAT	CTCTGT	CTCCG	156
Db	24	CCGGGCG	GTGCGGTG	CCCGGTG	CTCAG	CGCGT	CTCGAT	CTCTGT	CTCCG	83	
OY	157	CTCGGCG	CTCCCTTT	CCCTGG	ATGAC	TTGGTCTT	CTCTGT	CTCGGCA	TGGAA	216	
Db	84	CTCGGCG	CTCCCTTT	CCCTGG	ATGAC	TTGGTCTT	CTCTGT	CTCGGCA	TGGAA	143	
OY	217	TGCTCCG	TGCTTTT	TAGCCCT	CTCTGAG	CCAAAGAA	CCCCAG	CAACAG	ATGCCAT	276	
Db	144	TGCTCCG	TGCTTTT	TAGCCCT	CTCTGAG	CCAAAGAA	CCCCAG	CAACAG	ATGCCAT	203	
OY	277	AGCGTAT	AGCAGTAA	CTCCCA	CGCTCG	GTCTGTG	CCGTAG	TTTAC	AGTATTA	336	
Db	204	AGCGTAT	AGCAGTAA	CTCCCA	CGCTCG	GTCTGTG	CCGTAG	TTTAC	AGTATTA	263	
OY	337	ATATATA	TATATAT	TATATTA	TATAG	CACTTTT	TGATAC	CTCAAT	CTGTATTA	396	
Db	264	ATATATA	TATATAT	TATATTA	TATAG	CACTTTT	TGATAC	CTCAAT	CTGTATTA	323	
OY	397	GAAAGCG	CTCAGT	AGTCTCT	CTTA	TAACAACA	CACTAC	CTCAG	AGAA	456	
Db	324	GAAAGCG	CTCAGT	AGTCTCT	CTTA	TAACAACA	CACTAC	CTCAG	AGAA	383	
OY	457	TTACCA	GTACTAC	AGCTG	CTAC	CCCGCG	CTTGTG	TCCTTT	GGTGA	516	
Db	384	TTACCA	GTACTAC	AGCTG	CTAC	CCCGCG	CTTGTG	TCCTTT	GGTGA	443	
OY	517	TCATCC	TGGGCTT	CA	TTATG	CA	TTTGT	CTTGG	CA	576	
Db	444	TCATCC	TGGGCTT	CA	TTATG	CA	TTTGT	CTTGG	CA	503	
OY	577	CAAA	TTCTTT	TGTAC	GTGAG	GGGCTCAG	GTGTAG	TA	CACTG	636	
Db	504	CAAA	TTCTTT	TGTAC	GTGAG	GGGCTCAG	GTGTAG	TA	CACTG	563	
OY	637	TAGCTA	GATCTTT	GAAA	CAGTGG	GGCTGT	CTTCTA	CTGG	GGG	696	
Db	564	TAGCTA	GATCTTT	GAAA	CAGTGG	GGCTGT	CTTCTA	CTGG	GGG	623	
OY	697	TCCG	GAAGG	CTTG	TGA	TTGA	CGTGA	GATG	TAC	756	
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OY	757	GCTCAG	TACG	TATG	TTGG	ATTG	TGCTG	TGATG	CA	816	
Db	684	GCTCAG	TACG	TATG	TTGG	ATTG	TGCTG	TGATG	CA	743	
OY	817	TCC	TATTT	CTG	GA	CCCAT	TGTAT	TG	TG	876	
Db	744	TCC	TATTT	CTG	GA	CCCAT	TGTAT	TG	TG	803	
OY	877	AGGG	CAGAG	GGGT	CA	AGTGG	TG	TGA	CTG	936	
Db	804	AGGG	CAGAG	GGGT	CA	AGTGG	TG	TGA	CTG	863	
OY	937	CCCC	ATCG	CTTT	CTG	GAAT	TATG	TG	TGA	996	
Db	864	CCCC	ATCG	CTTT	CTG	GAAT	TATG	TG	TGA	923	
OY	997	TCC	AT	GA	GGC	AGAT	CCAG	TCT	TA	1056	
Db	924	TCC	AT	GA	GGC	AGAT	CCAG	TCT	TA	983	
OY	1057	CAG	TTG	AAT	ATAA	ACTCT	TTT	TC	AT	1116	
Db	984	CAG	TTG	AAT	ATAA	ACTCT	TTT	TC	AT	1043	
OY	1117	AAC	TT	CC	TCT	CTGT	GGGT	TA	CA	1176	
Db	1044	AAC	TT	CC	TCT	CTGT	GGGT	TA	CA	1103	

QY	1177	TCGTCGTGTTCTTTGTATGTATGTCCTCCAGATGAGAGAAAAATTGAAACGAGAAATTAAGTGA	1256
Db	1104	TCGTCGTGTTCTTTGTATGTATGTCCTCCAGATGAGAGAAAAATTGAAACGAGAAATTAAGTGA	1163
QY	1237	GTCCCTCGAAGAGCCCTTAATGGAAGAAAAAAGATTAGCTTGAAGAGAAACCATGAAGAA	1296
Db	1164	GTCCCTTCGAAAGCCCTTAATGGAAGAAAAAAGATTAGCTTGAAGAGAAACCATGAAGAA	1223
QY	1297	CAAGTTGTCTGTTGATATTTGAAAAACAAGCATCTGTTTCTGAGGTAGGGCTGCCA	1356
Db	1224	CAAGTTGTCTGTTGATATTTGAAAAACAACATCTGTTTCTGAGGTAGGGCTGCCA	1283
QY	1357	CTGTGCCCTTCAGAGCTGTGTGGTGGAGAGAGAACAGTCTCATTTAAACTTGTGAAATTTGG	1416
Db	1284	CTGTGCCCTTCAGAGCTGTGTGGTGGAGAGAGAACAGTCTCATTTAAACTTGTGAAATTTGG	1343
QY	1417	AGGAAGCTCCAGAGAGAGAGAGGCTTCCAGCGTGACTTGAAGAGAGAAACCAAGCATAG	1476
Db	1344	AGGAAGCTCCAGAGAGAGAGAGGCTTCCAGCGTGACTTGAAGAGAGAAACCAAGCATAG	1403
QY	1477	ATAGCAACCGTGAATGATGTCAGTGTGAGTGTGCTTAATGGAACCTTGTCACTTCAGTCAAG	1536
Db	1404	ATAGCAACCGTGAATGATGTCAGTGTGAGTGTGCTTAATGGAACCTTGTCACTTCAGTCAAG	1463
QY	1537	CCGTCAGCAACCAATTAATCTCCAGTGGCCACTACAGTATCACACCGTGATTAAGATT	1596
Db	1464	CCGTCAGCAACCAATTAATCTCCAGTGGCCACTCCAGTATCACACCGTGATTAAGATT	1523
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Db	1584	GAGACTCCGGTGACAAAACCTTTAAGGGCGCAATTAAGCTATACTTCTTAATCAATGGCAA	1643
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QY	1777	TGGAAGAGCTGACANGGCTTAATGACAGCTCAAGAAAGCGAATTGAGATGAGACGTTACA	1836
Db	1704	TGGAAGAGCTGACATGGCTTAATGACAGCTCAAGAAAGCGAATTGAGATGAGACGTTACA	1763
QY	1837	CCAGTTACTGCAATGCTGTGTCTGACCTTCACTCAGCATCTGAGATGACATGAGTGTCA	1896
Db	1764	CCAGTTACTGCAATGCTGTGTCTGACCTTCACTCAGCATCTGAGATGACATGAGTGTCA	1823
QY	1897	AGGCAAGATGGGTCTAGTGTACAGAAAGAGAGTAATGCTCTCTTGAAGAAATGATATG	1956
Db	1824	AGGCAAGCATGGGTCTAGTGTACAGAAAGAGAGTAATGCTCTCTTGAAGAAATGATATG	1883
QY	1957	ACCAAGATTAAGCCGGAAGTCTCTCCCTTCCAGTTCTGTGACATCTCTTAACAGCCGTCT	2016
Db	1884	ACCAAGATTAAGCCGGAAGTCTCTCCCTTCCAGTTCTGTGACATCTCTTAACAGCCGTCT	1943
QY	2017	TTGGGTCATTCGCCCATGTGGCAATGACGTAAAGCAATGGCAATTTGGGCTCTGTGTTCTT	2076
Db	1944	TTGGGTCATTCGCCCATGTGGCAATGACGTAAAGCAATGGCAATTTGGGCTCTGTGTTCTT	2003
QY	2077	TATATTTGTTTATGACACAGAGAGATTTCTTAAGATGTGGCAACCAATATAGCTTCC	2136
Db	2004	TATATTTGTTTATGACACAGAGAGATTTCTTAAGATGTGGCAACCAATATATAGCTTCC	2063
QY	2137	TACTCTATGATGTGTGTGTGTATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	2196
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Db	2124	AGACCATGGGGAAGAGATCTGACACCGATTCACACCTCTAAGTGCTTCAAGTATTTGAACTGG	2183
QY	2257	CATCTGCCCTCACTGTGTGTATTCATCAATATATTTGGCTTCCATGAGTACACACATT	2316

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Qy	2317	GTAAAGTGGGCTCTGTGTGTGTCTGTGTGGCTGGCTCCGGTCCAGAAGGCTGTGACTGGC	2376
Db	2244	GTAAGTGGGCTGTGTGTGTGTGTGTGGCTGGCTCCGGTCCAGAAGGCTGTGACTGGC	2303
Qy	2377	GTCCTCTTGTGAACAATTTTATATGGCTGTGTGTGTGAACAAGTCCCAATTTCTGAAGTTATCA	2436
Db	2304	GTCCTCTTGTGAACAATTTTATATGGCTGTGTGTGTGAACAAGTCCCAATTTCTGAAGTTATCA	2363
Qy	2437	GTGCGGCATATGGGCATCTTCCAGATATGTATGTATCTCCAGATGTGAAGCTGTGTGAGT	2496
Db	2384	GTGCGGCATATGGGCATCTTCCAGATATGTATGTATCTCCAGATGTGAAGCTGTGTGAGT	2423
Qy	2497	TAAATTTGTGTCAATGTTTGGGACCAATCTTAGGATTCCTGTCTCCCTGAAAGATGATT	2556
Db	2424	TAAATTTGTGTCAATGTTTGGGACCAATCTTAGGATTCCTGTCTCCCTGAAAGATGATT	2483
Qy	2557	ACAGTGTTAACAGAAGACTGACAAAGAGTCTTTTATTTTGGAGCCAGAGAGGAAAGTGT	2616
Db	2484	ACAGTGTTAACAGAAGACTGACAAAGAGTCTTTTATTTTGGAG--CAGAGAGGAAAGTGT	2542
Qy	2617	TACTTGTGCTATTAATCTGCTTTTGTGTCTAAATATGTATGTCTCAAAATTTACTGTGTAAA	2676
Db	2543	TACTTGTGCTATTAATCTGCTTTTGTGTCTAAATATGTATGTCTCAAAATTTACTGTGTAAA	2602
Qy	2677	ATPAGCCGGGTTCCACTGGCTCTGTGCTAGGATCCCTTCTCTTGGGCTGTGAATTCCT	2736
Db	2603	ATPAGCCGGGTTCCACTGGCTCTGTGCTAGGATCCCTTCTCTTGGGCTGTGAATTCCT	2662
Qy	2737	GTACATATTTCTTAATCTTTTGTATCAGGCTCAATTCATATATGTATTAAATGTTGTCTC	2796
Db	2663	GTACATATTTCTTAATCTTTTGTATCAGGCTCAATTCATATATGTATTAAATGTTGTCTC	2722
Qy	2797	TGAAGATGACTTGTGATTTTTTTTCTTTTAAACATGAAAGGCCGTTTGACAGAG	2856
Db	2723	TGAAGATGACTTGTGATTTTTTTTCTTTTAAACATGAAAGGCCGTTTGACAGAG	2782
Qy	2857	CATGCTCGCGTGTGTGTGTTTCAACAGGCTTCGCCCTCAGATGCAAGTGCACAGGATTTAAACAAC	2916
Db	2783	CATGCTCGCGTGTGTGTGTTTCAACAGGCTTCGCCCTCAGATGCAAGTGCACAGGATTTAAACAAC	2842
Qy	2917	AAAAATATTACTACAACCTTCCCTGTGTACTCTTATATATAGTAGAGTCTTGTGTACTCTG	2976
Db	2843	AAAAATATTACTACAACCTTCCCTGTGTACTCTTATATATAGTAGAGTCTTGTGTACTCTG	2902
Qy	2977	CCCTCTGTCACTAGTAGTGCAGAGATCTATTTGGCATATTTGGGAGCTTCTTAAGGGATGAG	3036
Db	2903	CCCTCTGTCACTAGTAGTGCAGAGATCTATTTGGCATATTTGGGAGCTTCTTAAGGGATGAG	2962
Qy	3037	GTCCTTTGAACAACAGTGAATAATTTAAATTAATTAATCTTTTGGAAAGCAGTTATTTGACTG	3096
Db	2963	GTCCTTTGAACAACAGTGAATAATTTAAATTAATTAATCTTTTGGAAAGCAGTTATTTGACTG	3022
Qy	3097	TTATTTCTAAGAAGAGTAGAAGAAAGAAAGACCTGTGTGGCATCTGTGTTATTTCTTTAA	3166
Db	3023	TTATTTCTAAGAAGAGTAGAAGAAAGAAAGACCTGTGTGGCATCTGTGTTATTTCTTTAA	3082
Qy	3157	GATTTCTGGCAGTGTGGATGTGATGAATGAAGTGAATGTGAACCTTTGGGCAAGTTAAAT	3216
Db	3083	GATTTCTGGCAGTGTGGATGTGATGAATGAAGTGAATGTGAACCTTTGGGCAAGTTAAAT	3142
Qy	3217	GGGACAGGCTTCCANGTCAATTTGTCTACCTTTAATCAGATATTAAGAAAGCCCTACAGTTT	3276
Db	3143	GGGACAGGCTTCCANGTCAATTTGTCTACCTTTAATCAGATATTAAGAAAGCCCTACAGTTT	3202
Qy	3277	TAGAAAAAAA 3285	
Db	3203	TAGAAAAAAA 3211	

US-08-436-900A-1
: Sequence 1, Application US/08436900A
: Patent No. 5874264
: GENERAL INFORMATION:
: APPLICANT: O'Hara, Bryan M.
: TITLE OF INVENTION: Gibbon Ape Leukemia Virus Receptors
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: American Home Products
: STREET: One Campus Drive
: CITY: Parsippany
: STATE: New Jersey
: COUNTRY: U.S.A.
: ZIP: 07054
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/436,900A
: FILING DATE: 08-MAY-1995
: CLASSIFICATION: 536
: ATTORNEY/AGENT INFORMATION:
: NAME: Barnhard, Elizabeth M.
: REGISTRATION NUMBER: 31,088
: REFERENCE/DOCKET NUMBER: 31,104-03
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 201-683-2158
: TELEFAX: 201-683-4117
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3211 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: US-08-436-900A-1

Query Match	96.4%	Score 3172;	DB 2,	Length 3211;
Match Local Similarity	99.7%;	Pred. No. 0;		
Bases 3180;	Conservative	0;	Mismatches	8; Indels
				1; Gaps
QY	97	CCGACCCGCGCGCTGTGTGCGCGCTGCTCCAGCGCGTCCGCGCTCGATCTCTGTCTCCG	156	
Db	24	CCGGGCGGTGCGGTGTGCGCGTGCCTCAGCGCGGTGCGCTCGATCTCTGTCTCCG	83	
QY	157	CTCCGCCCTCCCTTTTCCCTGGAATGAACTTGCGTCTTTCTCTTCCGCCATGGAATTC	216	
Db	84	CTCCGCCCTCCCTTTTCCCTGGAATGAACTTGCGTCTTTCTCTTCCGCCATGGAATTC	143	
QY	217	TGCTCCGTCCTTTTAGCGCTCTGAGCCAAAGAAACCCAGACAAAGATGGCCATAGC	276	
Db	144	TGCTCCGTCCTTTTAGCGCTCTGAGCCAAAGAAACCCAGACAAAGATGGCCATAGC	203	
QY	277	AGCCTATAGCAGTACTCCCGAGCTCGGTTCTGTGCGGATTTACAGTATTTAATTT	336	
Db	204	AGCCTATAGCAGTACTCCCGAGCTCGGTTCTGTGCGGATTTACAGTATTTAATTT	263	
QY	337	ATATATATATATATATTTATATATAGCATTTTGTATCCTCATATTCTGTTTACACATCTT	396	
Db	264	ATATATATATATATATTTATATATAGCATTTTGTATCCTCATATTCTGTTTACACATCTT	323	
QY	397	GAAAGGGGCTCAGTAGTCTCTCTACTAAACAACACACTACCTCAGAGAAATGGCAACGCTGA	456	
Db	324	GAAAGGGGCTCAGTAGTCTCTCTACTAAACAACACACTACCTCAGAGAAATGGCAACGCTGA	383	
QY	457	TTACAGTACTACAGCTGTACTACCGCGCTTGTGTCCTTTGTGTGACTACCTATGATGC	516	
Db	384	TTACAGTACTACAGCTGTACTACCGCGCTTGTGTCCTTTGTGTGACTACCTATGATGC	443	
QY	517	TCATCTGGGCTTATTTATGCAATTTGTCTTGCAATTCCTGTGGAGCAATATATG	576	

Db 444 TCATCTGGGCTTCAATTATTCGATTTGTCCTGGCAATTCCTGGGAGCAATGATGTAG 503
QY 577 CAATCTTTTGGTACAGTGTGGGCTCAGATGATGACCTTGAAAGCAAGCTGCATCC 636
Db 504 CAATTTCTTTTGGTACAGTGTGGGCTCAGATGATGACCTTGAAAGCAAGCTGCATCC 563
QY 637 TAGCTAGCATCTTTGAAACAGTGGGCTCTGTCTTTACTGGGGGCGCAAGTGAAGCAACA 696
Db 564 TAGCTAGCATCTTTGAAACAGTGGGCTCTGTCTTTACTGGGGGCGCAAGTGAAGCAACA 623
QY 697 TCCGGAAGGGCTTGAATGAGTGAAGTGTACAACTGACTCAAGGGCTACTGATGGCCG 756
Db 624 TCCGGAAGGGCTTGAATGAGTGAAGTGTACAACTGACTCAAGGGCTACTGATGGCCG 683
QY 757 GCTCAGTCAGTGTATGTTGGTCTCTGTGTGGCAACTGTGGCTTCCTTTTGAAGC 816
Db 684 GCTCAGTCAGTGTATGTTGGTCTCTGTGTGGCAACTGTGGCTTCCTTTTGAAGC 743
QY 817 TCCCTATTTTGTGAACCCATTTGTAATGTTGGTGCACATATGTTTCTCCCTGTGGCAA 876
Db 744 TCCCTATTTTGTGAACCCATTTGTAATGTTGGTGCACATATGTTTCTCCCTGTGGCAA 803
QY 877 AGGGGAGAGGGGTGTAAAGTGTGTGACATGATTAATAATTTGATGTCTGTGTGTGT 936
Db 804 AGGGGAGAGGGGTGTAAAGTGTGTGACATGATTAATAATTTGATGTCTGTGTGTGT 863
QY 937 CCCCACTGCTTTCTGGAATATGTCGGAATTTTAATCTTCTGTGTGTGTGTGTGTGTGT 996
Db 864 CCCCACTGCTTTCTGGAATATGTCGGAATTTTAATCTTCTGTGTGTGTGTGTGTGTGT 923
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Db 924 TCCATAAGGAGATCCAGTTCTTAATGTTTGGAGCTTTTCCAGTTTCTATGTCTGTGA 983
QY 1057 CAGTTGGAATAAACCTTTTTCATCATGTATACTGAGACACGGTGTCTGGCTTTGACA 1116
Db 984 CAGTTGGAATAAACCTTTTTCATCATGTATACTGAGACACGGTGTCTGGCTTTGACA 1043
QY 1117 AACTTCTCTGTGGGGAGACATCCTCATCTCGGTGGAGTGTGAGTTTCTGTGSCCTTA 1176
Db 1044 AACTTCTCTGTGGGGAGACATCCTCATCTCGGTGGAGTGTGAGTTTCTGTGSCCTTA 1103
QY 1177 TCGTCTGTGTTCTTTGTATGTCTCCAGATGAAAGAAATTTGAAAGAAATTAAGTGA 1236
Db 1104 TCGTCTGTGTTCTTTGTATGTCTCCAGATGAAAGAAATTTGAAAGAAATTAAGTGA 1163
QY 1237 GTCTCTTGAAGCCCTTATATGAAAAAAGAAATAGCTTGAAGAAGACATGAAGAA 1296
Db 1164 GTCTCTTGAAGCCCTTATATGAAAAAAGAAATAGCTTGAAGAAGACATGAAGAA 1223
QY 1297 CAAGTGTCTGTGTGTATGTAAGAAACAAGCATCTGTTTCTGAGGTAGGGCTGCCA 1356
Db 1224 CAAGTGTCTGTGTGTATGTAAGAAACAAGCATCTGTTTCTGAGGTAGGGCTGCCA 1283
QY 1357 CTGTGCCCTTCAAGGCTGTGTGTGAGAGAGAAACAGTCTCATTTCAAACTTGAAGATTGG 1416
Db 1284 CTGTGCCCTTCAAGGCTGTGTGTGAGAGAGAAACAGTCTCATTTCAAACTTGAAGATTGG 1343
QY 1417 AGGAAGTCCAGAGAGAGAGAGCTTCCAGCGTGTGACTTGAAGAAGAAACAAGCTAG 1476
Db 1344 AGGAAGTCCAGAGAGAGAGAGCTTCCAGCGTGTGACTTGAAGAAGAAACAAGCTAG 1403
QY 1477 ATAGACCGGTGAATGTGACAGTGTGCTTAATGGGAACCTGTGTCAAGTTCAGTCAAG 1536
Db 1404 ATAGACCGGTGAATGTGACAGTGTGCTTAATGGGAACCTGTGTCAAGTTCAGTCAAG 1463
QY 1537 CCGTCAAGCAACCAATTAATCTCAGTGGCACTACAGATACACCGGTGCATTAAGGATT 1596
Db 1464 CCGTCAAGCAACCAATTAATCTCAGTGGCACTACAGATACACCGGTGCATTAAGGATT 1523
QY 1597 CCGGCTGTATCAAAAGAGTACTCATTAATTTATCTTGGCAAGGTGGAGATTGCAATGG 1656
Db 1524 CCGGCTGTATCAAAAGAGTACTCATTAATTTATCTTGGCAAGGTGGAGATTGCAATGG 1583

QY 1657 GAGACTCCGGTGAACAACCTTTAAGGCGAATATAGTATATCTTCTATACATGGCAA 1716
Db 1584 GAGACTCCGGTGAACAACCTTTAAGGCGAATATAGTATATCTTCTATACATGGCAA 1643
QY 1717 TATGTGGCATGTCTCTGTGATTTCAATTCCTGTGCCAANAAGTGTGAACAAGGGGGAAGAA 1776
Db 1644 TATGTGGCATGTCTCTGTGATTTCAATTCCTGTGCCAANAAGTGTGAACAAGGGGGAAGAA 1703
QY 1777 TGGAGAAGCTGACATGAGCTTAATGACAGCTCCAGAGAGGAATTCGATATGACAGTTACA 1836
Db 1704 TGGAGAAGCTGACATGAGCTTAATGACAGCTCCAGAGAGGAATTCGATATGACAGTTACA 1763
QY 1837 CCAGTTACTGCAATGTGTGTCTGACCTTCACTCAGCATCTGAGATGACATGATGTGCA 1896
Db 1764 CCAGTTACTGCAATGTGTGTCTGACCTTCACTCAGCATCTGAGATGACATGATGTGCA 1823
QY 1897 AGGCAAGATGGGTCTAGGTGACAGAAAGAAAGTAATGGCTCTCTAGAAAGATGGTATG 1956
Db 1824 AGGCAAGATGGGTCTAGGTGACAGAAAGAAAGTAATGGCTCTCTAGAAAGATGGTATG 1883
QY 1957 ACCAGGATAGCCTGAAGTCTCTCTCTCTCTCAGTTCTGAGATCTTACAGCTGTCT 2016
Db 1884 ACCAGGATAGCCTGAAGTCTCTCTCTCTCTCAGTTCTGAGATCTTACAGCTGTCT 1943
QY 2017 TTGGGTCAATTCGCCCATGTGGCAATGACGTAGCAATGCCATTTGGGCTCTGTGTCTT 2076
Db 1944 TTGGGTCAATTCGCCCATGTGGCAATGACGTAGCAATGCCATTTGGGCTCTGTGTCTT 2003
QY 2077 TATATTTGGTTATGACACAGAGATGTTTCTTCAAAATGTGGCAACAATTTGGCTTC 2136
Db 2004 TATATTTGGTTATGACACAGAGATGTTTCTTCAAAATGTGGCAACAATTTGGCTTC 2063
QY 2137 TACTATATGATGTGTGTGTATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2196
Db 2064 TACTATATGATGTGTGTGTATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2123
QY 2197 AGACATGGGGAAGATCTGACACCGATCACACCTCTAGTGGCTTCAATTTGAACTGG 2256
Db 2124 AGACATGGGGAAGATCTGACACCGATCACACCTCTAGTGGCTTCAATTTGAACTGG 2183
QY 2257 CATGTGCCCTCACTGT 2316
Db 2184 CATGTGCCCTCACTGT 2243
QY 2317 GTAAAGTGGGCTCTGT 2376
Db 2244 GTAAAGTGGGCTCTGT 2303
QY 2377 GTCTCTTGTGAACATTTTATGTGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2436
Db 2304 GTCTCTTGTGAACATTTTATGTGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2363
QY 2437 GTGTGTCCATCATGTGCAATCTTCAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2496
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QY 2497 TAAATTTGTGTCAATGT 2556
Db 2424 TAAATTTGTGTCAATGT 2483
QY 2557 ACAGTGTAAACAGAGACTGACAGAGTCTTTTATTTGGAGCCAGAGAGGAAGTGT 2616
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Db 2543 TACTTGTGTATATATGTCTTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2602
QY 2677 ATAGCCCGGGTTCATGTGCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2736
Db 2603 ATAGCCCGGGTTCATGTGCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2662

QY 2737 GTACATATTTCTCTACTTTTGTATCAGGCTTCAATTCATATGTTTATGTTGCTC 2796
 Db 2663 GTACATATTTCTCTACTTTTGTATCAGGCTTCAATTCATATGTTTATGTTGCTC 2722
 QY 2797 TGAAGATGATCTGTATTTTCTTTTCTTTTAAACATTAAGCCGTTTGACAG 2856
 Db 2723 TGAAGATGATCTGTATTTTCTTTTCTTTTAAACATTAAGCCGTTTGACAG 2782
 QY 2857 CATGCTGCGGTGTTGTTGTTTACACAGCTTCTGCCCTCAATGCAAGGATTTTAAAC 2916
 Db 2783 CATGCTGCGGTGTTGTTGTTTACACAGCTTCTGCCCTCAATGCAAGGATTTTAAAC 2842
 QY 2917 AAAAAATATATCACTTCCCTTGTAGTCTCTTATATAGTAGAGTCTTGTA 2976
 Db 2843 AAAAAATATATCACTTCCCTTGTAGTCTCTTATATAGTAGAGTCTTGTA 2902
 QY 2977 CCCTCTGCTGATGATGAGAGATCTATTTGGCATTTGGGAGCTTCTTAAAGGATGAG 3036
 Db 2903 CCCTCTGCTGATGATGAGAGATCTATTTGGCATTTGGGAGCTTCTTAAAGGATGAG 2962
 QY 3037 GTTCTTGAACAGTGAATAATTTAAATTAGTACTTTTGGCAAGCTTATGAGT 3096
 Db 2963 GTTCTTGAACAGTGAATAATTTAAATTAGTACTTTTGGCAAGCTTATGAGT 3022
 QY 3097 TTATTTCTAAGAGAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3156
 Db 3023 TTATTTCTAAGAGAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3082
 QY 3157 GATTTCTGCGAGTGGGATGATGAATGAATGAATGAATGAATGAATGAATGAAT 3216
 Db 3083 GATTTCTGCGAGTGGGATGATGAATGAATGAATGAATGAATGAATGAATGAAT 3142
 QY 3217 GGGAGAGCTTCAATGTTCTATGTTCTACTGTTTAAATTAATTAATTAATTAAT 3276
 Db 3143 GGGAGAGCTTCAATGTTCTATGTTCTACTGTTTAAATTAATTAATTAATTAAT 3202
 QY 3277 TAGAAAAA 3285
 Db 3203 TAGAAAAA 3211

RESULT 3
 US-07-674-287B-3
 Sequence 3, Application US/07674287B
 Patent No. 5414076
 GENERAL INFORMATION:
 APPLICANT: Bryan Mark O'Hara
 TITLE OF INVENTION: Gibbon Ape Leukemia
 TITLE OF INVENTION: Virus Receptor
 NUMBER OF SEQUENCES: 3
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Dr. Karen A. Lowney
 ADDRESSEE: American Cyanamid Company
 STREET: 1937 West Main Street
 CITY: Stamford
 STATE: CT
 COUNTRY: USA
 ZIP: 06904-0060
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy Disk
 COMPUTER: IBM PC AT
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: ASCII converted from IBM DM4
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/674.287B
 FILING DATE: 19910325
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Lowney, Karen A., Dr.

; REGISTRATION NUMBER: 31,274
 ; REFERENCE/DOCKET NUMBER: 31,104-01
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 203 321 2361
 ; TELEFAX: 203 321 2971
 ; TELE: 710 474 4059
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 3260 Bps 681 Amino Acid Residues
 ; TYPE: NUCLEOTIDE AND AMINO ACID SEQUENCES
 ; STRANDEDNESS: Single
 ; TOPOLOGY: Linear
 ; MOLECULE TYPE: DNA and Protein
 ; US-07-674-287B-3
 Query Match 64.8%; Score 2133; DB 1; Length 3260;
 Best Local Similarity 84.5%; Pred. No. 0;
 Matches 2662; Conservative 0; Mismatches 420; Indels 67; Gaps 21;
 QY 162 CCTCCCTTTTCCCTGATGAAGTTCGCTCTTCTCTCCGATGAATTCGCTC 221
 Db 157 CACTTCGCCCCCAGATGAATTCGCTCTTCTCTAATCCGATGAATTCGCTC 216
 QY 222 CGTCTTTTACCCCTCTGAGCCAAAGAAACCCAGACAGATGCCATAC---GCAG 278
 Db 217 CGTCTTTTACCCCTCTGAGCCAAAGAAACCCAGACAGATGCCAGAGAG 276
 QY 279 CGTATAGAGTAACTCCCGACCTGGTTCGTCGCCAGTTTACAGATTAATTTAT 338
 Db 277 CGTATAGAGTAACTCCCGACCTGGTTCGTCGCCAGTTTACAGATTAATTTAT 336
 QY 339 AATAATATATATTTATTTATATAGATTTTATGATCTCATATTCGTTTACATCTGA 398
 Db 337 AATAATATATATTTATTTATATAGATTTTATGATCTCATATTCGTTTACATCTGA 393
 QY 399 AAGCGCTCACTAGTCTCTTA---CTAAACAACACTACTCAGAGA----- 444
 Db 394 AAGCGCTCACTAGTCTCTTA---CTAAACAACACTACTCAGAGA----- 444
 QY 445 --TGGCAACGATGATACAGTACTACAGCTGCTACCGCCCTTCTGCTTGGTGA 502
 Db 454 TGTGGCAACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 513
 QY 503 CTACCTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 562
 Db 514 CATCTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 573
 QY 563 AGCCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 622
 Db 574 AGCCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 633
 QY 623 GCAAGCTGCTAGTCTAGTACATCTTTGAAACAGTGGGCTCTGCTTATCGGGGCCAA 682
 Db 634 GCAAGCTGCTAGTCTAGTACATCTTTGAAACAGTGGGCTCTGCTTATCGGGGCCAA 693
 QY 683 AGTAGGCAACCATCCGGAAGGCTGATGAGGTGAGTGAAGTGAACCTGCAAGG 742
 Db 694 AGTAGGCAACCATCCGGAAGGCTGATGAGGTGAGTGAAGTGAACCTGCAAGG 753
 QY 743 GCTACTGATGAGCGGCTCAGTCACTGATGATGATGATGATGATGATGATGATGAT 802
 Db 754 TCTGCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 813
 QY 803 TTGCTTTTGAAGTCTCTATTTTCTGAAACCATTTGATGATGATGATGATGATGAT 862
 Db 814 TTGCTTTTGAAGTCTCTATTTTCTGAAACCATTTGATGATGATGATGATGATGAT 873
 QY 863 CTCCTGCTGCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 922
 Db 874 CTCCTGCTGCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 933
 QY 923 GTCTTGGTCTGCTCCCACTGCTTTCTGAATTAATGCTGGAATTTTATCTTCTGCT 982

QY 3140 CTTGGTATTCTTTAAGATTCTGCGAGTGGGATGATGAATGAATGTGA 3199
 DB 3113 TGTGGTATTCTTCTGAGATTCTGCGAGTGGGATGATGAATGAATGTGA 3172
 QY 3200 CTTGGGCAAGTAATGGGACGCTTCATGTTCTTCTACTCTTAATGAAT 3259
 DB 3173 CTTGGGCAATTAATGGGACGCTTCATGTTCTTCTACTCTTAATGAAT- 3231
 QY 3260 AAAAGCTACAGTTTATGAAAAAAA 3288
 DB 3232 AAAAGCTACAGTTTATGAAAAAAA 3260
 RESULT 4
 US-08-436-900A-3
 ; Sequence 3, Application US/08436900A
 ; Patent No. 5874264
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Hara, Bryan M.
 ; TITLE OF INVENTION: Glibon Ape Leukemia Virus Receptors
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: American Home Products
 ; STREET: One Campus Drive
 ; CITY: Parsippany
 ; STATE: New Jersey
 ; COUNTRY: U.S.A.
 ; ZIP: 07054
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/436,900A
 ; FILING DATE: 08-MAY-1995
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Barnhard, Elizabeth M.
 ; REGISTRATION NUMBER: 31,088
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 201-683-2158
 ; TELEFAX: 201-683-4117
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 3260 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 443..2488
 ; US-08-436-900A-3
 Query Match 64.8%; Score 2131.4; DB 2; Length 3260;
 Best Local Similarity 84.5%; Pred. No. 0;
 Matches 2661; Conservative 0; Mismatches 421; Indels 67; Gaps 21;
 QY 162 CCCTCCCTTTCCCTGAGTAAGTCTGCTCTTCTCTCGCCATGGAATTCGTC 221
 DB 157 CACTTGTCCTCCCGCAGAGTAAGTCTGCTCTTCTCTAATCGCATGGAATTCGTC 216
 QY 222 CGTGTCTTTAGCCCTCTGAGCCAAAGAAACCCCAAGCAACAGATGCCATAC--GCA 278
 DB 217 CGGTCTTTAGCCCTCTGAGCCAAAGAAACCCCAAGCAACAGATGCCAGAG 276
 QY 279 CGTATGACAGTACTCCCGAGCTCGGTTCTGTCGCGTATGTTTACAGTATTTAAT 338
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 QY 339 ATAATATATATATTTATATAGCATTTTGTGATACCTCATATTTCTTTACACATCTGA 398

DB 337 ATAATATATATATTTATATATAGCATTTT---GATACCTCATTTCCGTTTACATCTCA 393
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 QY 445 --TGGCAACGATATTAACAGTACTACAGCTGCTACCGCGCTTCTGCTCTTTGATGA 502
 DB 454 TGTGGCAAGTATTAAGTACAGTACCTAGCTGTTACTGCTTCCGCTCCAGGAATATA 513
 QY 503 CTAAGTATGATGCTATCTGCGCTTCAATTAATGCAATTTGCTTGGCAATTCCTCGTGG 562
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 QY 563 AGCAATGATGATGAAATTTCTTTGATACAGCTGCGCTCAGAGTGTGATACCTCGTGA 622
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 QY 623 GCAAGCTGATCTAGTATGATCTTTGAAACAGTGGGCTGCTTCTTACTGCGGCGCA 682
 DB 634 GCAAGCTGATCTTATGATGATCTTTGAAACAGTGGGCTGCTTCTTACTGCGGCGCA 693
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 DB 694 AGTGAAGCAACATCCGGAAGGCTTGAATGATGATGATGATGATGATGATGATGATG 753
 QY 743 GCTACTGATGCGCGCTCAGTATGATGATGATGATGATGATGATGATGATGATGATG 802
 DB 754 TGTGCTCATGCGCTCAGTATGATGATGATGATGATGATGATGATGATGATGATG 813
 QY 803 TTTGTTTGAAGTCTCCTATTTCTGAAACCATGATGATGATGATGATGATGATGATG 862
 DB 814 TTTGTTTGAAGTCTCCTATTTCTGAAACCATGATGATGATGATGATGATGATGATG 873
 QY 863 GTTCTCTGTCGAAAGGGGAGGAGGTGTCAAGTGTCTGAATCTGATTAATAATGTGAT 922
 DB 874 GTTCTCTGTCGAAAGGGGAGGAGGTGTCAAGTGTCTGAATCTGATTAATAATGTGAT 933
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 DB 994 TGTGATTCATCTCTCAATTAAGGAGATCCAGTTCCTAATGTTGTCGAGCTTTGCACT 1053
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 DB 1054 TTTCTATGCTGACAGTGAATTAACCTCTTTTCATCATGATATCTGAGACCGTT 1113
 QY 1103 GGTGGGCTTTGACAAATCTCTGTCGAGGATCAATCTCATCTGTCGTCGATGTCGACT 1162
 DB 1114 GGTGGGCTTTGACAAATCTCTGTCGAGGATCAATCTCATCTGTCGTCGATGTCGACT 1173
 QY 1163 TTTCTGTCGCTTATGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCG 1222
 DB 1174 TTTCTGTCGCTTATGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCG 1233
 QY 1223 AGAAATTAAGTATGCTCTTGAAGGCTTTATGAAAGAAAGAAATAGCTTGAAGA 1282
 DB 1234 AGAAATTAAGTATGCTCTTGAAGGCTTTATGAAAGAAAGAAATAGCTTGAAGA 1293
 QY 1283 AGACCATGAAGAAACAAAGTTGTCTGTGTGATATTAAGAAACAGCATCTCTGTTCTGA 1342
 DB 1294 AGACCATGAAGAAACAAAGTTGTCTGTGTGATATTAAGAAACAGCATCTCTGTTCTGA 1353
 QY 1343 GGTAGGAGCTGTCATGTCGCTCCAGGCTGTGTCGAGAGAGAGAAAGCTCTCATTCGA 1402
 DB 1354 GGTAGGAGCTGTCATGTCGCTCCAGGCTGTGTCGAGAGAGAGAGAGAGCTCTCATTCGA 1413
 QY 1403 ACTTGAGATTTGAGAGAGGCTCCAGAGAGAGAGAGGCTTCCAGCTGACCTTGAAGA 1462

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/050,684
FILING DATE: 16-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Lowmeyer Dr., Karen A
REGISTRATION NUMBER: 31,274
REFERENCE/DOCKET NUMBER: 31937-00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 203-321-2361
TELEFAX: 203-321-2971
TELEX: 710-474-4059
INFORMATION FOR SEO ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3175 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 244..2202
US-08-050-684-1

Query Match 18.8%; Score 617.2; DB 1; Length 3175;
Best Local Similarity 60.3%; Pred. No. 7.5e-169;
Matches 1203; Conservative 0; Mismatches 718; Indels 75; Gaps 8;
496 TGGTGAACCTACCTAGATGCTGATCTGGCTTCAATTAATGATTTGGCTTGGCTTCT 555
251 TGGATAGATTTGGATGATGCTATTTGGCTTCAATGCTTCACTTGGCTTCTTCTT 310
556 CCGTGGAGGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 615
311 CTGTTGATGCAACGATGTTGCTCACTCTTTGATGACGCGGCTCTGCTGCTGATGATG 370
616 CCGTGAAGCAAGCTGATCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 675
371 CTTGAGGAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 430
676 GGGCCAAAGTGAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 735
431 GCGCCAAAGTGAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 490
736 CTCAAGGAGTGAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 795
491 CCGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGA 550
796 TCGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGA 855
551 TGAATGCTTCTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 610
856 TTGCTTTCTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 915
611 TAGGATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 670
916 TTGCTTTCTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 975
671 TTGCTTTCTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 730
976 TCGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGAAGCAAGTGA 1035
731 TACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 790
1036 TCGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1095
791 TCCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 850

QY 1096 CACCGTGTGGGCTTTGACAACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1155
DB 851 CACGAGTGTGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 907
QY 1156 GTGCGATTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1215
DB 908 TCGCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 967
QY 1216 TTGAAGCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1275
DB 968 TTAAGCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1027
QY 1276 TGAAGCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1335
DB 1028 AGGTTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1070
QY 1336 TTTCTGAGGTAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1395
DB 1071 TGCAGAGGCTTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1122
QY 1396 CATTCAACTGAGATTTGAGAGGAGTCCAGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAG 1455
DB 1123 -----ACACTGGAGAGCTTGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1170
QY 1456 TGAAG 1515
DB 1171 GCATGAG 1230
QY 1516 ACCCTGTGAGTTCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT 1575
DB 1231 ACCCT-----CGGCTTGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1273
QY 1576 ATCAGAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1635
DB 1274 ACCAGAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1333
QY 1636 CCAAGGTGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1689
DB 1334 ACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1393
QY 1690 ATAGCTATCTTCTATATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1749
DB 1394 ACAGTATACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1453
QY 1750 AAGAGGTGAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1806
DB 1454 CTGCGAGTCAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1513
QY 1807 CCAAGAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1866
DB 1514 CCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1573
QY 1867 ACTGAGATCTGAGA-----TAGATGATGATGATGATGATGATGATGATGATGATGATGAT 1917
DB 1574 AGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1633
QY 1918 AAGAGAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1977
DB 1634 ACCAGCGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1693
QY 1978 CTCTCTCTTCAAGTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2037
DB 1694 ACTCTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1753
QY 2038 GCAATGAGTGAAGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2097
DB 1754 GCAATGAGTGAAGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1813
QY 2098 GAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2157
DB 1814 GCGGAGTGAAGCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1873
QY 2158 TCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2217


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QY 1516 ACCTTTCAGTTCACTCAAGCCGTGAGCAACCAATTAATCTCAGTGGCACTACAGT 1575
    |||||
Db 1231 ACCTT-----CGGCTTGACCGGCCACACAGAGACGACGCTGCTGT 1273
QY 1576 ATCAACCCGTGATTAAGATTCCGGCTGTGCAAAAGAGCTACTCCATAATTAATCTTGG 1635
    |||||
Db 1274 ACCACACCGGTGCAAAAGACTCGGGCTCTACAAAGATCTGTGCAAAATTCACATCG 1333
QY 1636 CCAGGTGGAGATTGATGGAGATCCGGTGAACA-----ACCTTAAGCCGAATA 1689
    |||||
Db 1334 ACAGGGGGCCCCGAGAGAACCCCAAGAAAGAACTACCGGCTGCTCCGCGAAACA 1393
QY 1690 ATAGTATATCTTCTTATACATGGAATATGTGGCATGCTCTGATTCATTCCTGGCA 1749
    |||||
Db 1394 ACAGTTACACTCTCTACACCGGCACTTTGTGGCTGCCAGTGCACGCCACTTTCCAG 1453
QY 1750 AAGAAAGTGAACAGAAAGGGGAAAGAAATGGAAGAGTGAACATGGCCTTAATG--CAAGCT 1806
    |||||
Db 1454 CTGCGGACTCATCGGCCCCAGAGAGACGTGAGAAAGCTGGTGGCGACACGCTGTCTACT 1513
QY 1807 CCAGAAAGGAATTCGAATGGAACAGTTACACAGTTACTGCAATGCTGTGTCTGACCTTC 1866
    |||||
Db 1514 CCAAGAAAGGCTGCGCTACAGACGCTACTGAGCTACTGTGAACGGGTGGCAGAGCGCG 1573
QY 1867 ACTCAGATCTGAGA-----TAGACATGAGTGCMAAGGAGAGATGGGCTTAGGTG 1917
    |||||
Db 1574 AGATTCAGGCTGGAGAGGGCGGCTGAGATGAAGCTGGGTGAGAGCTGGCCGACCTTG 1633
QY 1918 ACAGAAAGGAAGTAATGAGCTCTCTAGAAAGATGATAGACAGATTAAGCTGAACTCT 1977
    |||||
Db 1634 ACCAGCGGAGAGAGACCTTGACAGAGAGAGAAAGAGAGAGAGAGACGCCGCCGAGGTT 1693
QY 1978 CTCTCTCTTCCAGTCTCTGCAATCTTACAGCTGCTTGGGTCAATTCGCCCATGGTG 2037
    |||||
Db 1694 ACCCTCTGTTCCATTTCTGCAAGTCTCTCAACCCCTGTTTCGGGTCTCTTTCACAGGG 1753
QY 2038 GCAATGACGTAACGTAATGCAATTTGGGCTCTGGTGGCTTATATTTGGTTATGACACAG 2097
    |||||
Db 1754 GCATGACGTAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATG 1813
QY 2098 GAGATGTTCTTCAAAAGTGGCAACCAATATGCTTCTACTCTATGCTGTGTGTGTA 2157
    |||||
Db 1814 GCGGGGTAAAGCAAGAGAGAGCTACACCCGCTGCGCTGCTTTATGAGAGAGTTGAA 1873
QY 2158 TCTGTGTGTCTGTGGGTTTGGGAAAGAAAGTTATCCAGACCAATGGGAGAGATCTGA 2217
    |||||
Db 1874 TCTGCAAGGCTCTGGGTCTGGGGGAGAAAGTGAATCCAGACCAATGGGAGAGACCTCA 1933
QY 2218 CACCGATCAACCTCTAGTGGCTTCAATGTAATGAGATCTGCGCTCACTGCTGTGA 2277
    |||||
Db 1934 CTCCCAATCAAGCGGTCAAGGCGCTTCAAGTCAAGCTGCGCTTCAAGTGTGA 1993
QY 2278 TTGCATCAAAATATTTGGCTTCCCATCAGTACAAACAATTTAAAGTGGGCTGTGTGTG 2337
    |||||
Db 1994 TGCGCTTCACACATCGGCTTCCAGTACGACCAAGCACTTAAGTGGGCTGTGTGTG 2053
QY 2338 CTGTGTGCTGCTGCGGTCCAGAGAGCTGTGAATGAGCTCTCTTTGCTTAATTTTA 2397
    |||||
Db 2054 CCGTGGGCTGATTCGCTCCCGCAAGCTGTGAGCTGGCCCTCTTTCCGAAATCTTTCG 2113
QY 2398 TGCGCTGCTTGTGCAAGTCCCAATTTTGAAGTGAATGAGTGCATATGAGCAATCT 2457
    |||||
Db 2114 TGCGCTGCTTGTGCAAGTCCCAATTTTGAAGTGAATGAGTGCATATGAGCAATCT 2173
QY 2458 TCAGATATGTCATCT 2473
    |||||
Db 2174 TCATGTAATGGATCT 2189

```

RESULT 7
US-09-328-111-623
; Sequence 623, Application US/09328111

```

; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steimann, Kathleen E.
; APPLICANT: Aetle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dertl, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; EARLIER FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: RastSeq for Windows Version 3.0
; SEQ ID NO 623
; LENGTH: 662
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(662)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-623

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Query Match      15.1%; Score 495.2; DB 3; Length 662;
Best Local Similarity 90.2%; Pred. No. 8e-134;
Matches 591; Conservative 0; Mismatches 54; Indels 10; Gaps 6;

QY 1606 ACAGAGCTACTCTCAATAATTACATCTTGCAGAGTGGAGATTGCATGGAGACTCCG 1665
    |||||
Db 1 ACAGAGCTACTCTCAATAATTACATCTTGCAGAGTGGAGATTGCATGGAGACTCCG 60
QY 1666 GTGACAAACCTTAAAGCGCAATAATAGCTACTTCTTAATCAATGGCAATGTGGCA 1725
    |||||
Db 61 GTGACAAACCTTAAAGCGCAATAATAGCTACTTCTTAATCAATGGCAATGTGGCA 120
QY 1726 TGCTCTGATTCATTTCCGTGCCAAAGAGTGAACAGAAAGGCCAGAAATGGAAGC 1785
    |||||
Db 121 TGCTCTGATTCATTTCCGTGCCAAAGAGTGAACAGAAAGGCCAGAAATGGAAGC 180
QY 1786 TGACATGGCTTAATGAGACTCCAGAAAGCAATTGCAATGGAAGTTCACACGTTACT 1845
    |||||
Db 181 TGACATGGCTTAATGAGACTCCAGAAAGCAATTGCAATGGAAGTTCACACGTTACT 240
QY 1846 GCAATGCTGTGTGAACCTTCACTGAGATCTGAGATGACATGAGTGTCAAGGACAGAG 1905
    |||||
Db 241 GCAATGCTGTGTGAACCTTCACTGAGATCTGAGATGACATGAGTGTCAAGGACAGAG 300
QY 1906 TGAGTTAGTGAACAGAAAGAA--GTAAATGCTCTTAAGAAATGGTATGACAGGA 1963
    |||||
Db 301 TGAGTTAGTGAACAGAAAGAAAGTAAATGAGTCTCTTAAGAAATGGTATGACAGGA 360
QY 1964 TAAAGCTGAAGTCTCTCTCTCTTCCAGTTCCTGAGATCTCTTACAGCTGTGGTGC 2023
    |||||
Db 361 TAAAGCTGAAGTCTCTCTCTCTTCCAGTTCCTGAGATCTCTTACAGCTGTGGTGC 420
QY 2024 ATTGCGCCATGGTGGCAATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 2082
    |||||
Db 421 ATTGCGCCATGGTGGCAATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 480
QY 2083 TGCTTTATGACACAGAGATGTTTCTTCAAAAGTGGCAACCAATA--TGCTTTACTC 2141
    |||||
Db 481 TGCTTTATGACACCAAGAG--TTCTTCAAAAGTGGCAACCAATAATGAGTTTACTC 539

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QY 2142 TAT--GGTGTGTGTGTATCTGTGTGG---TCTGTGGGTTTGGGGAAGAAGATTATCC 2196
|||
Db 540 TATGTGAGGGGGGTTGGGATCTGANGTGTGTGTGTGGGTTTGGGGAAGAAAAGTTTCC 599
|||
QY 2197 AGACCATGGGGAAGAGATCTGACACCCATCAACCTCTAGTGGCTTCAAGATTGA 2251
|||
Db 600 CNACTTGGGGAAAGATTGTGCNCGCTTACACCTTTAAGGTTTGTATTGGA 654
|||

RESULT 8

US-09-328-111-521
; Sequence 521, Application US/09328111
; Patent No. 626233
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Carfino, Theodore J.
; APPLICANT: Dertli, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ. ID NOS: 850
; SOFTWARE: PastsEQ for Windows Version 3.0
; SEQ ID NO 521
; LENGTH: 613
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(613)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-521

Query Match 13.7%; Score 451.4; DB 3; Length 613;
Best Local Similarity 99.2%; Pred. No. 4.2e-121;
Matches 474; Conservative 0; Mismatches 2; Indels 2; Gaps 2;

QY 1131 GGATCATCTCTCATCTCGGTGGAGATGACAGTTTCTGTGCTTATCGTGTCTTT 1190
|||
Db 1 GGTACCATCTCTCATCTCGGTGGAGATGACAGTTTCTGTGCTTATCGTGTCTTT 60
|||
QY 1191 GTATGTCCAGAGATGAAGAATAATTGAACGAGAAATAAGTGTAGTCTTCTGAAGC 1250
|||
Db 61 GTATGTCCAGAGATGAAGAATAATTGAACGAGAAATAAGTGTAGTCTTCTGAAGC 120
|||
QY 1251 CCTTTAATGAAAAAAGATAGCTTGAAGAAGACCATGAAGAACAAGTTTCTTCT 1310
|||
Db 121 CCTTTAATGAAAAAAGATAGCTTGAAGAAGACCATGAAGAACAAGTTTCTTCT 180
|||
QY 1311 GGATGATTTGAAAAACAAGCATCTGTTCTGAAGGTAAGGCTGCACTGTGCCCTCCAG 1370
|||
Db 181 GGATGATTTGAAAAACAAGCATCTGTTCTGAAGGTAAGGCTGCACTGTGCCCTCCAG 240
|||
QY 1371 GCTGTGTGAGAGAGAGAAAGTCTCAATTCAACTTGAAGATTGAGGAAGCTCCAGAG 1430
|||
Db 241 GCTGTGTGAGAGAGAGAAAGTCTCAATTCAACTTGAAGATTGAGGAAGCTCCAGAG 300
|||
QY 1431 AGAAGAGGCTTCCAGGCTGTGAATTTGAAGAAGAAACAGCATAGATAGACCTGTAAT 1490
|||
Db 301 AGAAGAGGCTTCCAGGCTGTGAATTTGAAGAAGAAACAGCATAGATAGACCTGTAAT 360
|||

QY 1491 GTGACATGACATGCTCTTAATGGAACTTTGTCCAGTTCACTG-ANCCGCTACGACCA 1549
|||
Db 361 GTGACATGACATGCTCTTAATGGAACTTTGTCCAGTTCACTG-ANCCGCTACGACCA 420
|||
QY 1550 AATTAATCCAGTGGGCACTACAGATGACACCGGCAAT-AGGATTCCGGCTGTGA 1606
|||
Db 421 AATTAATCCAGTGGGCACTACAGATGACACCGGCAAT-AGGATTCCGGCTGTGA 478
|||

RESULT 9

US-09-328-111-269/C
; Sequence 269, Application US/09328111
; Patent No. 626233
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Carfino, Theodore J.
; APPLICANT: Dertli, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ. ID NOS: 850
; SOFTWARE: PastsEQ for Windows Version 3.0
; SEQ ID NO 269
; LENGTH: 643
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(643)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-269

Query Match 11.9%; Score 393; DB 3; Length 643;
Best Local Similarity 91.7%; Pred. No. 4.2e-104;
Matches 465; Conservative 0; Mismatches 35; Indels 7; Gaps 5;

QY 1805 CTCGAGAAAGCGAATTCGAATGACAGATTACACAGTTACTGCAATGCTGTGACT 1864
|||
Db 505 CTCGAGAAAGCGAATTCGAATGACAGATTACACAGTTACTGCAATGCTGTGACT 448
|||
QY 1865 TCACTGACATCTG-AGATGACATGAGTCTCAAGGAGAGATGGCTTAGTGACAGAA 1923
|||
Db 447 TCAATTAAGCTTTTAAGATAGCATAGTCCAAAGNCAGAAAGATGGGTTTAGTGNCAGAA 388
|||
QY 1924 AAGGAAGTATGCTCT--CTAGAAGATGTAATGACAGATTAAG--CTGAAGTCTCTC 1980
|||
Db 387 AAGGAAGTATGCTCTCTTCTAGAAAGATGATGATGCCAGATTAAGCTCTGAAGTCTCTC 328
|||
QY 1981 TCC-TCTTCCAGTTCCTGACATCTCTTACAGCTGCTTTGGGTCAATTGCCCATTGCTGAC 2039
|||
Db 327 TCCNTCTTCCAGTTCCTGACATCTCTTACAGCTGCTTTGGGTCAATTGCCCATTGCTGAC 268
|||
QY 2040 AATGACGTAAGCAATGCAATGAGCTCTGTGCTTATTAATTTGGTTATGACACAGGA 2099
|||
Db 267 AATGACGTAAGCAATGCAATGAGCTCTGTGCTTATTAATTTGGTTATGACACAGGA 208
|||
QY 2100 GATGTTTCTTCAAAAGTGGCAACCAATATGCTTCACTATGATGATGATGATGATGATGATG 2159
|||
Db 207 GATGTTTCTTCAAAAGTGGCAACCAATATGCTTCACTATGATGATGATGATGATGATGATGATG 148
|||

QY 2160 TGTGTTGCTGTGGGTTGGGAGAGATTATCCAGACCATGGGGAAGATCTGAC 2219
DB 147 TGTGTTGCTGTGGGTTGGGAGAGATTATCCAGACCATGGGGAAGATCTGAC 88
QY 2220 CCGATACACCCCTCTGTGGCTTCACTATTGAACTGGCATCTGCCCTCACTGTGTGATT 2279
DB 87 CCGATACACCCCTCTGTGGCTTCACTATTGAACTGGCATCTGCCCTCACTGTGTGATT 28
QY 2280 GCATCAAAATATTGGCCCTCCCATCAGT 2306
DB 27 GCATCAAAATATTGGCCCTCCCATCAGT 1

RESULT 10
US-09-557-884-1
Sequence 1, Application US/09557884
Patent No. 6506581
GENERAL INFORMATION:
APPLICANT: Fleischmann et al.
TITLE OF INVENTION: The Nucleotide sequence of the Haemophilus influenzae Rd Genome, Fragments thereof, and Uses Thereof

NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: MD
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:
MEDIUM TYPE: 3 1/2 inch diskette
COMPUTER: Dell Pentium
OPERATING SYSTEM: MS DOS v6.22
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/557,884
FILING DATE: 25-Apr-2000
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/476,102
FILING DATE: JUN-5-1995

ATTORNEY/AGENT INFORMATION:
NAME: Michelle S. Marks
REGISTRATION NUMBER: 41,971
REFERENCE/DOCKET NUMBER: PB186P3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1830121 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-557-884-1

Query Match 3.0%; Score 99.8; DB 4; Length 1830121;
Best Local Similarity 52.7%; Pred. No. 1.9e-16;
Matches 240; Conservative 0; Mismatches 212; Indels 3; Gaps 1;

QY 1984 TCTTCCAGTTCCTGCGAGATCTTACAGCCCTTGGGTCATTCGCCCATGTGGCAAG 2043
DB 1670240 TCTTCCAGTTCCTTAAATGTTATTAACCGCTTGCAGATGGCATTTGGCAGCGTTCTAAG 1670299

QY 2044 ACCTAAGCATGCGCATTTGGGCTCTGTGCTTTA--TATTGTTTATGACAGAG 2100
DB 1670300 ACCTAAGCATGCGCATTTGGGCTCTGTGCTTTA--TATTGTTTATGAGAGCGGTA 1670359

QY 2101 AATGTTTCTTCAAAAGTGGCAACCAATATGCTTCTACTCTATGATGTTGTATCT 2160
DB 1670360 AATGTTTCTTCAAAAGTGGCAACCAATATGCTTCTACTCTATGATGTTGTATCT 1670419

QY 2161 GTTGTGCTGTGGGTTGGGAGAGATTATCCAGACCATGGGGAAGATCTGAC 2220
DB 1670420 GTTGTGCTGTGGGTTGGGAGAGATTATCCAGACCATGGGGAAGATCTGAC 1670479

QY 2221 CGATACACCCCTCTGTGGCTTCACTATTGAACTGGCATCTGCCCTCACTGTGTGATT 2280
DB 1670480 ATTTAAGCCCAAGCGGTGGCTTGGCCGCTCAATTGTCTACTGAGTACCGTTGTGCTGG 1670539

QY 2281 CATCAAAATATTGGCCCTCCCATCAGTAACTGGCACTTTGTAATGGGCTGTGTCTG 2340
DB 1670540 CATCAAGGACAGGCTTACCCATCTCAACACAAACACTTGTGGAGCTATTTAAGTA 1670599

QY 2341 TTGGCTGCTCCGCTTCCAGAGAGGCTGTGACTGGGCTCTTTGCTAATTTTATG 2400
DB 1670600 TTGGCTGCTCCGCTTCCAGAGAGGCTGTGACTGGGCTCTTTGCTAATTTTATG 1670659

QY 2401 CCTGCTTGTACAGTCCCATTTCTGAGATTATC 2435
DB 1670660 CCTGCTTGTACAGTCCCATTTCTGAGATTATC 1670694

RESULT 11
US-09-643-990A-1
Sequence 1, Application US/09643990A
Patent No. 6528289
GENERAL INFORMATION:
APPLICANT: Robert D. Fleischmann
Mark D. Adams
Owen White
Hamilton O. Smith
J. Craig Venter

TITLE OF INVENTION: The Nucleotide sequence of the Haemophilus influenzae Rd Genome, Fragments thereof, and Uses thereof

NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville,
STATE: MD
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:
MEDIUM TYPE: 3 1/2 inch diskette
COMPUTER: Dell Pentium
OPERATING SYSTEM: MS DOS v6.22
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/643,990A
FILING DATE: 23-Aug-2000
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/487,429
FILING DATE: 1995-06-07
APPLICATION NUMBER: 08/426,787
FILING DATE: 1995-04-21

ATTORNEY/AGENT INFORMATION:
NAME: Kenley K. Hoover
REGISTRATION NUMBER: 40,302
REFERENCE/DOCKET NUMBER: PB186P1C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-610-5790
TELEFAX: 310-309-8439

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1830121 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-643-990A-1

Query Match 3.0%; Score 99.8; DB 4; Length 1830121;
Best Local Similarity 52.7%; Pred. No. 1.9e-16;
Matches 240; Conservative 0; Mismatches 212; Indels 3; Gaps 1;

QY 1984 TCTTCCAGTTCCTGACATCTTACAGCCCTTGGGTATTCGCCATGCTGCAATG 2043
DB 1670240 TCTTCCAGTTCCTGACATCTTACAGCCCTTGGGTATTCGCCATGCTGCAATG 1670299
QY 2044 AGCTAAGCAATGACATGAGCTCTGCTGCTTAA--TATTGGTTATGACAGAG 2100
DB 1670300 AGCTAAGCAATGACATGAGCTCTGCTGCTTAA--TATTGGTTATGACAGAG 1670359
QY 2101 ATGTTCTTCAAAAGTGGCAACCAATATGCTTACTCTATGCTGCTGCTGATCT 2160
DB 1670360 AATATGTTTCAAGTGGAGCTTAACTTATGCTGCTGCTGCTGCTGCTGCTGCTG 1670419
QY 2161 GTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2220
DB 1670420 CTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1670479
QY 2221 CGATCACACCTCTAGTGGCTTCAATGATGATGATGATGATGATGATGATGATG 2280
DB 1670480 ATTTAAGCCCAAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1670539
QY 2281 CATCAATATTTGGCTTCCATCAGTACCAACATTTGTAAGTGGCTCTGCTGCTGCTG 2340
DB 1670540 CATCAGCCACAGGCTTACCATCTCAACACCAACATTTGTAAGTGGCTCTGCTGCTG 1670599
QY 2341 TTGGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2400
DB 1670600 TCGGCTTTGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1670659
QY 2401 CCGTGTGTCACAGTCCCATTTCTGAGTTATC 2435
DB 1670660 CTGGATTGTCACATTTACAGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1670694

RESULT 12
US-09-252-991A-6471
Sequence 6471, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 6471
LENGTH: 1380
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6471

Query Match 2.6%; Score 87; DB 4; Length 1380;
Best Local Similarity 49.2%; Pred. No. 7.5e-15;
Matches 262; Conservative 0; Mismatches 265; Indels 6; Gaps 1;

QY 514 TGTCTATCTGAGGCTTATTTGATTTGCTTGGCATTTCCGTGGAGACCAATGATG 573
DB 78 TCTTGTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 137
QY 574 TAGCAATTTCTTTGTAAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTG 633
DB 138 TCGCAACGCGCATGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 197
QY 634 TCTAGCTAGCTGCTTGTAAACAGTGGCTGCTGCTTAACTGAGGAGCCAAATGAGCA 693

DB 198 TGTGCGCATGCTTCTGAGTCTGCGGCTTACTTCCCGGCGGAGCTACCGAAA 257
QY 694 CCATCCGAGAGGCTTGAATTTGACGTGAGATGATACACTGACTCAAGGCTTACTGATG 753
DB 258 CCATCCGAGAGGCTTGAATTTGACGTGAGATGATACACTGACTCAAGGCTTACTGATG 311
QY 754 CCGGCTGAGCTGAGCTGATGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 813
DB 312 TCGGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 371
QY 814 AGCTCCATTTCTGAGACCAATTTGATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 873
DB 372 GCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 431
QY 874 CAAGGCGGAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 933
DB 432 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 491
QY 934 TGTCCCACTGCTTCTGGAATTTGCTGGAATTTTATTTCTGCTGCTGCTGCTGCTG 993
DB 492 TGAAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 551
QY 994 TCTCCATTAAGCAGATTCAGTCTTATGATTTTGGAGCTTGGCAGTTTTC 1046
DB 552 TACTGATGCTGAGGACCGCTTCCGACGCGCGCGCTTACGCTGCTGCTGCTGCTGCTG 604

RESULT 13
US-09-252-991A-6303
Sequence 6303, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 6303
LENGTH: 1407
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6303

Query Match 2.6%; Score 87; DB 4; Length 1407;
Best Local Similarity 49.2%; Pred. No. 7.6e-15;
Matches 262; Conservative 0; Mismatches 265; Indels 6; Gaps 1;

QY 514 TGTCTATCTGAGGCTTATTTGATTTGCTTGGCATTTCCGTGGAGACCAATGATG 573
DB 170 TCTTGTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 229
QY 574 TAGCAATTTCTTTGTAAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTG 633
DB 230 TCGCAACGCGCATGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 289
QY 634 TCTAGCTAGCTTGTAAACAGTGGCTGCTGCTTAACTGAGGAGCCAAATGAGCA 693
DB 290 TGTGAGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 349
QY 694 CCATCCGAGAGGCTTATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGAT 753
DB 350 CGATCCGAGAGGCTTATTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTGAT 403
QY 754 CCGGCTGAGCTGAGCTGATGTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 813
DB 404 TCGGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 463

QY 814 AGCTCCCTATTCTGTGAACCCATTGATGTGTGCAACTATGTGTTCTCCCTGTGG 873
DB 464 GTGGCGCGGTGTGACACCCATCCATGCTGCGCGGATCATGGCTTGCCTGCGTGG 523
QY 874 CAAGGGGCGAGGGGTGTCAAGTGTCTCACTGATTAATAATTGTGATCTTTGGTGG 933
DB 524 GTGTCTCGGTGACGGGGTGTCACTGGGGCGGATCGGCCGATCTGCGCAGTTGGGTGG 583
QY 934 TGTCCCACTGCTTTTCTGTAATTAATGCTGGAATTTATTTCTTCCTGCTGCAATCA 993
DB 584 TGACGCGCGGTGTGCTGCGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 643
QY 994 TCCTCCATAGGAGATTCAGTTCTTAATGTTTGGAGCTTTCAGTTTTC 1046
DB 644 TACTGATGCGGAGGACCGCTTCCGAGCGCGCGGCGGCTTACGTCGCTGAC 696

RESULT 14
US-09-198-452A-1/c
Sequence 1, Application US/09198452A
Patent No. 6559294
GENERAL INFORMATION:
APPLICANT: Grifflais, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
FILE REFERENCE: 9710-003-999
CURRENT APPLICATION NUMBER: US/09/198,452A
CURRENT FILING DATE: 1998-11-24
NUMBER OF SEQ ID NOS: 6849
SEQ ID NO 1
LENGTH: 1230025
TYPE: DNA
ORGANISM: Chlamydia pneumoniae
FEATURES:
NAME/KEY: misc_feature
LOCATION: (1)..(15000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (15001)..(30000)
OTHER INFORMATION: n=a or c or g or t
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LOCATION: (30001)..(45000)
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
LOCATION: (615001)..(630000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
LOCATION: (675001)..(690000)
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NAME/KEY: misc_feature
LOCATION: (690001)..(705000)
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NAME/KEY: misc_feature
LOCATION: (705001)..(720000)
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NAME/KEY: misc_feature
LOCATION: (720001)..(735000)
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OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (795001)..(810000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (810001)..(825000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (825001)..(840000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (840001)..(855000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (855001)..(870000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (870001)..(885000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (885001)..(900000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (900001)..(915000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature

Query Match 2.6%; Score 86; DB 4; Length 1230025;
Best Local Similarity 51.6%; Pred. No. 1.5e-12;
Matches 225; Conservative 0; Mismatches 205; Indels 6; Gaps 1;

QY 1984 TCTTCAGTCTCTGCGATGATCCCTTACAGCCTGTTGGGCTATTCGCCANNGGGAATG 2043
DB 773577 TCTTGGCCATCCATGAGATTAATGATGCTTATGAGCGTTGCTCAGGATCTAATG 773518
QY 2044 ACCTAAGCATGCGCATTTGGGCTCTGTTGCTTATATTTGGTTATGACACAGAGATG 2103
DB 773517 ATGTTCTAATGCAATTCGCTCCGTAAGCTGAGTCTC-----TGCCTCAGGCAATTCCTG 773464
QY 2104 TTTCTTCAAAAGTGGCAACCAATATGCTCTTACTATGATGATGTTGTTGATCTG 2163
DB 773463 CTTCCTATAGCTGCTATATATTAATGAGCTCATGATTTGGAGGCAATAGGCTTGCTA 773404
QY 2164 TTGCTCTGAGGTTTGGGGAAGAAGTTATCCAGCCANNGGGAAGATCGACACCA 2223
DB 773403 TAGGCTTGCGATTTGGGAGATGCGGTTATAGAACTGAGGCTGTAAATTAACCAAT 773344
QY 2224 TCACACCTCTAGTGGCTTCATTAATGAATGAGCATCTGCCCTCAGCTGATTCAT 2283
DB 773343 TAACCCGCTCTGAGGCTTTCCGTGGGATGCGCTCAGCATTAACAATTCCTTATGCTT 773284
QY 2284 CAAATATGCGCTTCCCATGATGACACACATTTGAAGTGGGCTCTGTTGCTCTGTTG 2343
DB 773283 CTAATTTAGGACTTCTATATCTACACACATGTTGTTGAGCTGTTTGAAGATAG 773224
QY 2344 GCTGCTCCGCTCCAGAAAGCTGTGAGCTGCGCTCTTGTGTAATTTATGCGCT 2403
DB 773223 GTTTACAGAGGAGATCCGTGCATTAACCTTAACAATTAATTAATTTACTCTCT 773164
QY 2404 GGTTCACACAGTCC 2419
DB 773163 GGTTCATTAAGCTTCC 773148

RESULT 15
US-09-103-840A-2
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: PRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007.00
CURRENT FILING DATE: US/09/103,840A
NUMBER OF SEQ. ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 2.2%; Score 73.6; DB 3; Length 4403765;
Best Local Similarity 50.3%; Pred. No. 1.4e-08;
Matches 181; Conservative 0; Mismatches 179; Indels 0; Gaps 0;

QY 513 ATGCTATCTGAGGCTTCAATTAATGATTTGCTTGGCATTCCTCGTGAGGCAATGAT 572
DB 2549186 ATCTGTGCTGCGACCGCTGCTGCGATTTATGATGCTTCAACGTCGCGCAATGAT 2549245
QY 573 GTAGCAAAATCTTTGTATGACCTGTGGGCTCAGGTGATGACCTTGAAGCAAGCTTGC 632

Db 2549246 GTGCGCAACTCGTTTGACACAGCGTCGGCGCGGCACTTGACCATGAACAGGCGCTT 2549305
QY 633 ATCTAGCTAGCATCTTTGAAAACAGTGGGCTGTCTTACTGGGGCCAAAGTAGCGAA 692
Db 2549306 CTGCTCGCGCGGATCTTCAGAGTCAGGCGCGCGGTGATCGCCGCGCGAGCTACCGAG 2549365
QY 693 ACCATCCGGAAGGGCTTGATTGACGTGAGATGTACAACTCGACTCAAGGGCTACTGATG 752
Db 2549366 ACCATCCGAGCGGCATCGTTGATCTGTCCGGGGTGTCCGTGACCCACGCGACTTCATG 2549425
QY 753 GCCGGCTCAGTCAGTGTATGTTGGTTCTGTCTGTGTGGCACTCGTGGCTTTCGTTTGG 812
Db 2549426 AACATCATGTCTGTGGGCTATCGGCAGCCGCTCTGGCTGTGTTGCTAACCGTATG 2549485
QY 813 AAGCTCCATTTCTGGAACCATTTGATTTGTGTGCAACTATTTGTTTCCTCGTG 872
Db 2549486 GGGTACCGGGTGTGACACACACTCGATCATGGCGGCACTCGTCGCGCGCGGATGCG 2549545

Search completed: January 21, 2004, 15:33:25
Job time : 206 secs

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